

NTP Historical Controls Report

By Route and Vehicle

MICE

April 2019

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 is broken up into sections based on the route and vehicle used to deliver the chemical. The Table of Contents on Page 3 shows the different Route/Vehicle combinations. To see the data from all routes and vehicles combined into one set, you must run the "All Routes" report.

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

Male
M1
M2
М3
M4
M5
Female
Female F1
F1
F1 F2

the data would be shown as:

	Male			Female		
M1	M2	М3	F1	F2	F3	
M4	M5		F4	F5		

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

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

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Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Page: 4

Report Date: 07/01/2019

Route: GAVAGE Vehicle: CORN OIL

Study Summary

Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical
					Male		
Battelle Columbus Laboratory	052000604	04/03/07	730	50(1)	26(663)	55.6	Indole-3-carbinol
Southern Research Institute	052020904	02/25/08	729	50(1)	29(657)	55.3	Pentabromodiphenyl Ether Mixture [DE-71 (Technical Grade)]
Battelle Columbus Laboratory	052032004	08/07/07	730	50(1)	33(687)	55.8	Tetrabromobisphenol A
					Female		
Battelle Columbus Laboratory	052000604	04/02/07	729	50(5)	33(702)	66.6	Indole-3-carbinol
Southern Research Institute	052020904	02/25/08	731	50(5)	33(679)	57.7	Pentabromodiphenyl Ether Mixture [DE-71 (Technical Grade)]
Battelle Columbus Laboratory	052032004	08/06/07	729	50(5)	40(711)	66.5	Tetrabromobisphenol A

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL Page: 5

			Male				Female	
#All Organs: Benign Tumors								
		33/50 (66%)	30/50 (60%)	38/50 (76%)		17/50 (34%)	24/50 (48%)	22/50 (44%)
Overall Incidence	Total	101/150 (67.33%)	Mean 67.33%	SD 8.08%	Total	63/150 (42%)	Mean 42%	SD 7.21%
All Organs: Malignant Tumors								
		27/50 (54%)	27/50 (54%)	21/50 (42%)		19/50 (38%)	16/50 (32%)	18/50 (36%)
Overall Incidence	Total	75/150 (50%)	Mean 50%	SD 6.93%	Total	53/150 (35.33%)	Mean 35.33%	SD 3.06%
#All Organs: Malignant and Benign Tu	mors	48/50 (96%)	40/50 (80%)	47/50 (94%)		30/50 (60%)	34/50 (68%)	32/50 (64%)
Overall Incidence	Total	135/150 (90%)	Mean 90%	SD 8.72%	Total	96/150 (64%)	Mean 64%	SD 4%
All Organs: Hemangioma		0/50 (0%)	0/50 (0%)	2/50 (4%)		1/50 (2%)	1/50 (2%)	1/50 (2%)
Overall Incidence	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%	Total	3/150 (2%)	Mean 2%	SD 0%
All Organs: Hemangiosarcoma								
		4/50 (8%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	6/150 (4%)	Mean 4%	SD 3.46%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
#All Organs: Hemangiosarcoma or He	mangioma							
		4/50 (8%)	1/50 (2%)	3/50 (6%)		1/50 (2%)	1/50 (2%)	2/50 (4%)
Overall Incidence	Total	8/150 (5.33%)	Mean 5.33%	SD 3.06%	Total	4/150 (2.67%)	Mean 2.67%	SD 1.15%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1/N

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL

Length of Study: CHRONIC

Contract/Lab: All Laboratories

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			Male				Female	
#All Organs: Histiocytic Sarcoma								1/50 (29/)
		2/50 (4%)	1/50 (2%)	0/50 (0%)		1/50 (2%)	1/50 (2%)	1/50 (2%)
Overall Incidence	Total	3/150 (2%)	Mean 2%	SD 2%	Total	3/150 (2%)	Mean 2%	SD 0%
#All Organs: Malignant Lymphoma: Histi	ocytic, Lyn	nphocytic, Mixed, NOS, o	Undifferentiated Ce	II Туре				
		3/50 (6%)	5/50 (10%)	3/50 (6%)		6/50 (12%)	7/50 (14%)	9/50 (18%)
Overall Incidence	Total	11/150 (7.33%)	Mean 7.33%	SD 2.31%	Total	22/150 (14.67%)	Mean 14.67%	SD 3.06%
#All Organs: Malignant Schwannoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
#All Organs: Osteosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#All Organs: Osteosarcoma or Osteoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Adrenal Cortex: Adenoma								
		0/50 (0%)	0/50 (0%)	1/50 (2%)		2/49 (4%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	2/149 (1.34%)	Mean 1.36%	SD 2.36%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1/N

Toxicology Data Management System

Contract/Lab: All Laboratories

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE

Page: 7

Report Date: 07/01/2019

Vehicle: CORN OIL

Length of Study: CHRONIC

			Male				Female	
Adrenal Medulla: Pheochromocytoma Ben	nign							4/50 (00)
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	1/50 (2%)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	1/148 (0.68%)	Mean 0.67%	SD 1.15%
Adrenal Medulla: Pheochromocytoma Mal	ignant							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/50 (0%)
verall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/148 (0%)	Mean 0%	SD 0%
Adrenal Medulla: Pheochromocytoma: Be		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	1/50 (2%)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	1/148 (0.68%)	Mean 0.67%	SD 1.15%
Blood Vessel: Hemangioma				0/50 (00)		4/50 (00)	0/50 (00/)	0/50 (00/)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%
Blood Vessel: Hemangiosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Bone Marrow: Hemangiosarcoma								
O	T-1-1	1/50 (2%)	0/50 (0%)	0/50 (0%)	T . (.)	0/50 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/149 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: GAVAGE Vehicle: CORN OIL Page: 8

			Male				Female	
Bone Marrow: Mast Cell Tumor Malignant								0/50 (00()
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/149 (0%)	0/49 (0%) Mean 0%	0/50 (0%) SD 0%
Bone Marrow: Sarcoma								
verall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/149 (0%)	0/49 (0%) Mean 0%	0/50 (0%) SD 0%
Bone: Fibroma			- 1					
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%
Bone: Hemangioma		0/50 (00/)	0/50 (00/)	0/50 (00/)		0/50 (00/)	0/50 (00/)	0/50 (00/)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Bone: Hemangiosarcoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Bone: Osteosarcoma			(201)	(00)			(201)	2/22 (201)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: GAVAGE Vehicle: CORN OIL Report Date: 07/01/2019

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			Male				Female	
#Bone: Osteosarcoma or Osteoma								0/50 (00/)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Bone: Sarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
*Clitoral/Preputial Gland: Mast Cell Tumor		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/148 (0%)	Mean 0%	SD 0%
Coagulating Gland: Granular Cell Tumor		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
#Coagulating Gland: Sarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
*Epididymis: Mast Cell Tumor								
		0/50 (0%)	0/50 (0%)	0/50 (0%)				
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%				

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N Length of Study: CHRONIC Tumor Incidence for Selected Control Animal Groups
Route: GAVAGE
Vehicle: CORN OIL

Page: 10

			Male				Female	
#Harderian Gland: Adenoma								
		6/50 (12%)	5/50 (10%)	7/50 (14%)		3/50 (6%)	9/50 (18%)	2/50 (4%)
Overall Incidence	Total	18/150 (12%)	Mean 12%	SD 2%	Total	14/150 (9.33%)	Mean 9.33%	SD 7.57%
Harderian Gland: Carcinoma								
		1/50 (2%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	1/50 (2%)	1/50 (2%)
Overall Incidence	Total	3/150 (2%)	Mean 2%	SD 0%	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%
Harderian Gland: Carcinoma or Adenoma								
		7/50 (14%)	6/50 (12%)	8/50 (16%)		3/50 (6%)	10/50 (20%)	3/50 (6%)
Overall Incidence	Total	21/150 (14%)	Mean 14%	SD 2%	Total	16/150 (10.67%)	Mean 10.67%	SD 8.08%
Harderian Gland: Mast Cell Tumor								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Heart: Hemangiosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
fIntestine Large: Cecum: Leiomyosarcoma	•••••							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL

Male

Female

Page: 11

			Maic				Temale	
#Intestine Small: Duodenum: Adenoma								
		2/50 (4%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
fintestine Small: Duodenum: Carcinoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Intestine Small: Duodenum: Polyp Adenomatous								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
fIntestine Small: Ileum: Adenoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Intestine Small: Jejunum: Adenoma								
		1/50 (2%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
fintestine Small: Jejunum: Carcinoma								
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Strain: B6C3F1/N

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL Page: 12 Report Date: 07/01/2019

			Male				Female	
#Intestine Small: Jejunum: Leiomyosarcoma		0/50 /(0%)	0/50 (00)	0/50 (00/)		4/50 /00/	0/50 (00/)	0/50 (00/)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%
#Intestine Small: Jejunum: Mast Cell Tumor								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Intestine Small: Site Unspec	cified:		•••••	•••••		•••••	•••••	
Overall Incidence	Total	3/50 (6%) 4/150 (2.67%)	0/50 (0%) Mean 2.67%	1/50 (2%) SD 3.06%	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%
#Intestine Small: Site Unspec Carcinoma	cified:	0/50 (00)	0/50 (00)	4/50 (00/)	•••••	0/50 (00()	0/50 (00/)	0/50 (00/)
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Intestine Small: Site Unspec Carcinoma or Adenoma	cified:							
Overall Incidence	Total	3/50 (6%) 5/150 (3.33%)	0/50 (0%) Mean 3.33%	2/50 (4%) SD 3.06%	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%
#Intestine Small: Site Unspec Leiomyosarcoma	cified:							
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE
Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL **Page:** 13

			Male				Female	
#Intestine Small: Site Unspe Mast Cell Tumor	cified:							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Intestine Small: Site Unspe Polyp Adenomatous	cified:							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
*Islets, Pancreatic: Adenoma								
		1/50 (2%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
*Islets, Pancreatic: Carcinoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
*Islets, Pancreatic: Carcinoma or Adenoma								
		1/50 (2%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
*Kidney: Renal Tubule: Adenoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: GAVAGE Vehicle: CORN OIL Page: 14

			Male				Female	
Kidney: Renal Tubule: Carcinoma								
	-	0/50 (0%)	0/50 (0%)	0/50 (0%)	T	0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Carcinoma or Adenoma						-4		
Normall Implications	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Hemangiosarcoma		2/22 (221)	2/52 (221)	2/52 (221)		0/50 (00)	2/22 (224)	2/20 (201)
Normall Institutes	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Mast Cell Tumor		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Renal Mesenchymal Tumor								
-		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Liver: Cholangiocarcinoma		0/50 (00)	0/50 (00)	0/50 (000)		0/50 (00.)	0/50 /00/	0/50 (00/)
Overell Incidence	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL **Page:** 15

			Male				Female	
Liver: Hemangioma								
Overall Incidence	Total	0/50 (0%) 2/150 (1.33%)	0/50 (0%) Mean 1.33%	2/50 (4%) SD 2.31%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Liver: Hemangiosarcoma								
Overall Incidence	Total	4/50 (8%) 4/150 (2.67%)	0/50 (0%) Mean 2.67%	0/50 (0%) SD 4.62%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Liver: Hepatoblastoma		0/50 (00/)	4/50 (00/)	0(50 (404)		0/50 (00/)	0/50 (00/)	0/50 (00/)
Overall Incidence	Total	3/50 (6%) 6/150 (4%)	1/50 (2%) Mean 4%	2/50 (4%) SD 2%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Liver: Hepatocellular Adenoma								
Overall Incidence	Total	26/50 (52%) 81/150 (54%)	23/50 (46%) Mean 54%	32/50 (64%) SD 9.17%	Total	7/50 (14%) 25/150 (16.67%)	5/50 (10%) Mean 16.67%	13/50 (26%) SD 8.33%
Liver: Hepatocellular Carcinoma								
Overall Incidence	Total	12/50 (24%) 41/150 (27.33%)	18/50 (36%) Mean 27.33%	11/50 (22%) SD 7.57%	Total	6/50 (12%) 12/150 (8%)	4/50 (8%) Mean 8%	2/50 (4%) SD 4%
Liver: Hepatocellular Carcinoma c	or Hepatobl		19/50 (26%)	12/50 (249/)		6/50 (12%)	4/EO (99/)	2/50 (49/)
Overall Incidence	Total	15/50 (30%) 45/150 (30%)	18/50 (36%) Mean 30%	12/50 (24%) SD 6%	Total	6/50 (12%) 12/150 (8%)	4/50 (8%) Mean 8%	2/50 (4%) SD 4%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: GAVAGE Vehicle: CORN OIL Page: 16

			Male				Female					
*Liver: Hepatocellular Carcinoma or Hepatocellular Adenoma												
		35/50 (70%)	31/50 (62%)	39/50 (78%)		12/50 (24%)	8/50 (16%)	15/50 (30%)				
Overall Incidence	Total	105/150 (70%)	Mean 70%	SD 8%	Total	35/150 (23.33%)	Mean 23.33%	SD 7.02%				
_iver: Hepatocellular Carcino	oma, Hepatocell	lular Adenoma, or Hepatol	olastoma									
·	•	36/50 (72%)	31/50 (62%)	39/50 (78%)		12/50 (24%)	8/50 (16%)	15/50 (30%)				
Overall Incidence	Total	106/150 (70.67%)	Mean 70.67%	SD 8.08%	Total	35/150 (23.33%)	Mean 23.33%	SD 7.02%				
Liver: Hepatocholangiocarcii	noma											
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)				
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%				
Liver: Mast Cell Tumor												
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)				
verall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%				
Lung: Alveolar/Bronchiolar A	Adenoma											
		4/50 (8%)	5/50 (10%)	6/50 (12%)		1/50 (2%)	1/50 (2%)	5/50 (10%)				
verall Incidence	Total	15/150 (10%)	Mean 10%	SD 2%	Total	7/150 (4.67%)	Mean 4.67%	SD 4.62%				
Lung: Alveolar/Bronchiolar C	Carcinoma	4/50 (621)	5/50 /40°	4/50 (00%)		0/50 /450	0/50 /00/	4/50 (00)				
	-	4/50 (8%)	5/50 (10%)	4/50 (8%)	-	2/50 (4%)	0/50 (0%)	1/50 (2%)				
Overall Incidence	Total	13/150 (8.67%)	Mean 8.67%	SD 1.15%	Total	3/150 (2%)	Mean 2%	SD 2%				

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1/N

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Report Date: 07/01/2019

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			Male				Female					
*Lung: Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma												
		8/50 (16%)	10/50 (20%)	10/50 (20%)		3/50 (6%)	1/50 (2%)	6/50 (12%)				
Overall Incidence	Total	28/150 (18.67%)	Mean 18.67%	SD 2.31%	Total	10/150 (6.67%)	Mean 6.67%	SD 5.03%				
Lung: Hemangiosarcoma												
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)				
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%				
Lung: Mast Cell Tumor												
Normall Implifaces	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)				
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%				
Lymph Node: Hemangiosarcoma												
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)				
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%				
Lymph Node: Mast Cell Tumor												
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)				
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%				
Lymph Node, Mandibular: Mast Cell Tumor												
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)				
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%				

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: GAVAGE Vehicle: CORN OIL **Page:** 18

			Male				Female	
#Lymph Node, Mandibular: Mast Cell Tumor Malignant								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Lymph Node, Mesenteric: Hemangioma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Lymph Node, Mesenteric: Hemangiosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Lymph Node, Mesenteric: Mast Cell Tumor								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Lymph Node, Mesenteric: Mast Cell Tumor Malignant								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Mammary Gland: Adenoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: GAVAGE Vehicle: CORN OIL Page: 19

			Male				Female	
#Mammary Gland: Carcinoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%
Mammary Gland: Carcinoma or Adenoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%
Mammary Gland: Fibroma, Fibroadenoma	or Adenoma	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Mammary Gland: Fibroma, Fibroadenoma, Overall Incidence	Carcinoma, or	Adenoma 0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	1/50 (2%) 2/150 (1.33%)	1/50 (2%) Mean 1.33%	0/50 (0%) SD 1.15%
Mesentery: Hemangioma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Mesentery: Hemangiosarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: GAVAGE Vehicle: CORN OIL Page: 20

			Male					Female	
#Mesentery: Lipoma									
		0/50 (0%)	0/50 (0%)	,	0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%		Total	0/150 (0%)	Mean 0%	SD 0%
Mesentery: Sarcoma									
		0/50 (0%)	0/50 (0%)	,	(0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%		Total	0/150 (0%)	Mean 0%	SD 0%
Nose: Adenoma		- (ac)	- (a)	- /	(201)				
S II I I . I	T-1-1	0/50 (0%)	0/50 (0%)	,	(0%)	T-1-1	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%		Total	0/150 (0%)	Mean 0%	SD 0%
Nose: Polyp									
		0/50 (0%)	0/50 (0%)	,	(0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%		Total	0/150 (0%)	Mean 0%	SD 0%
Oral Cavity (Oral Mucos Papilloma Squamous o	. • .	ynx, Tooth, Gingiva):							
	•	0/50 (0%)	0/50 (0%)	0/50 ((0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%		Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
Oral Cavity (Oral Mucos	sa, Tongue, Phar	ynx, Tooth, Gingiva):							
		0/50 (0%)	0/50 (0%)	,	(0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%		Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1/N

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

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Report Date: 07/01/2019

Route: GAVAGE Vehicle: CORN OIL

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Male **Female #Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):** Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)2/50 (4%)**Overall Incidence** Total 0/150 (0%) Mean 0% SD 0% Total 2/150 (1.33%) Mean 1.33% SD 2.31% **#Oral Mucosa: Squamous Cell Carcinoma** 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)1/50 (2%)**Overall Incidence** Total 0/150 (0%) Mean 0% SD 0% Total 1/150 (0.67%) Mean 0.67% SD 1.15% *Ovary: Cystadenocarcinoma 0/50 (0%)0/48 (0%)0/50 (0%)**Overall Incidence** Total 0/148 (0%) Mean 0% SD 0% *Ovary: Cystadenoma 1/50 (2%)2/48 (4%)2/50 (4%)**Overall Incidence** Total 5/148 (3.38%) Mean 3.39% SD 1.21% *Ovarv: **Granulosa Cell Tumor Benign** 0/50 (0%)1/48 (2%)0/50 (0%)**Overall Incidence** Total 1/148 (0.68%) Mean 0.69% SD 1.2% **Granulosa Cell Tumor Malignant** 0/50 (0%)0/48 (0%)0/50 (0%)**Overall Incidence** Total 0/148 (0%) Mean 0% SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: GAVAGE Vehicle: CORN OIL Page: 22

Male)		Female	
*Ovary: Granulosa Cell Tumor: Benign, Malignant, NOS		0/50 (00/)	4/40 (00/)	0/50 (00/)
Overall Incidence	Total	0/50 (0%) 1/148 (0.68%)	1/48 (2%) Mean 0.69%	0/50 (0%) SD 1.2%
*Ovary: Granulosa-Theca Tumor Malignant				
Overall Incidence	Total	0/50 (0%) 0/148 (0%)	0/48 (0%) Mean 0%	0/50 (0%) SD 0%
*Ovary: Hemangioma		0/50 (00/)	0/40 (00/)	0/50 (00/)
Overall Incidence	Total	0/50 (0%) 0/148 (0%)	0/48 (0%) Mean 0%	0/50 (0%) SD 0%
'Ovary: Hemangiosarcoma		0/50 (00()	0/40 (00/)	0/50 (00/)
Overall Incidence	Total	0/50 (0%) 0/148 (0%)	0/48 (0%) Mean 0%	0/50 (0%) SD 0%
Ovary: Luteoma				
Overall Incidence	Total	0/50 (0%) 0/148 (0%)	0/48 (0%) Mean 0%	0/50 (0%) SD 0%
*Ovary: Sarcoma				
Overall Incidence	Total	0/50 (0%) 0/148 (0%)	0/48 (0%) Mean 0%	0/50 (0%) SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

*Ovary:

*Ovary:

*Pancreas:

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Thecoma Malignant

Tubulostromal Adenoma

......

Overall Incidence

Overall Incidence

Mast Cell Tumor

Overall Incidence

Overall Incidence

*Parathyroid Gland: Adenoma

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL

Male **Female** 0/50 (0%)0/48 (0%)0/50 (0%)SD 0% Total 0/148 (0%) Mean 0% 1/50 (2%)0/48 (0%)0/50 (0%)Total 1/148 (0.68%) Mean 0.67% SD 1.15% 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)Mean 0% SD 0% Total 0/150 (0%) Mean 0% SD 0% 0/48 (0%)0/45 (0%)0/43 (0%)0/44 (0%)0/34 (0%)Mean 0% SD 0% Total 0/121 (0%) Mean 0% SD 0%

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Report Date: 07/01/2019

*Pituitary Gland: Pars Distalis of	or Unspecified Site:
Adenoma	
	0

0/50 (0%)0/47 (0%)0/50 (0%)3/49 (6%)5/50 (10%) 1/50 (2%)**Overall Incidence** Total 0/147 (0%) Mean 0% SD 0% Total 9/149 (6.04%) Mean 6.04% SD 4%

*Pituitary Gland: Pars Distalis or Unspecified Site:

Carcinoma								
		0/50 (0%)	0/47 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/147 (0%)	Mean 0%	SD 0%	Total	0/149 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

Total

Total

0/50

0/150 (0%)

0/48

0/141 (0%)

(0%)

(0%)

^{#:} Denominator is number of animals necropsied

Mean 0%

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N **Toxicology Data Management System**

Tumor Incidence for Selected Control Animal Groups

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Report Date: 07/01/2019

Route: GAVAGE Vehicle: CORN OIL

Length of Study: CHRONIC Male **Female** *Pituitary Gland: Pars Distalis or Unspecified Site: Carcinoma or Adenoma 0/50 (0%)0/47 (0%)0/50 (0%)3/49 (6%)5/50 (10%) 1/50 (2%)**Overall Incidence** Total 0/147 (0%) Mean 0% SD 0% Total 9/149 (6.04%) Mean 6.04% SD 4% *Pituitary Gland: Pars Intermedia: Adenoma 0/50 (0%)0/47 (0%)0/50 (0%)1/49 (2%)0/50 (0%)0/50 (0%)**Overall Incidence** Total 0/147 (0%) Mean 0% SD 0% Total 1/149 (0.67%) Mean 0.68% SD 1.18% *Pituitary Gland: Pars Intermedia: Carcinoma 0/50 (0%)0/47 (0%)0/50 (0%)0/49 (0%)0/50 (0%)0/50 (0%)**Overall Incidence** Total 0/147 (0%) Mean 0% SD 0% Total 0/149 (0%) Mean 0% SD 0% *Pituitary Gland: Pars Intermedia: Carcinoma or Adenoma 0/50 (0%)0/47 (0%)0/50 (0%)1/49 (2%)0/50 (0%)0/50 (0%)**Overall Incidence** Total 0/147 (0%) Mean 0% SD 0% Total 1/149 (0.67%) Mean 0.68% SD 1.18% *Pituitary Gland: Pars Intermedia: **Schwannoma Malignant** 0/50 (0%)0/47 (0%)0/50 (0%)0/49 (0%)0/50 (0%)0/50 (0%)Overall Incidence Total 0/147 (0%) Mean 0% SD 0% Total 0/149 (0%) Mean 0% SD 0% *Prostate: **Mast Cell Tumor** 0/50 (0%)0/50 (0%)0/50 (0%)

SD 0%

Total

0/150 (0%)

Overall Incidence

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1/N

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL

Length of Study: CHRONIC

Contract/Lab: All Laboratories

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			Male			Female		
Salivary Glands: Adenoma								
Overall Incidence	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Salivary Glands: Carcinoma								
Normall Implications of	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Salivary Glands: Carcinoma or Adenoma								
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
Salivary Glands: Hemangiosarcoma								
	.	1/50 (2%)	0/50 (0%)	0/50 (0%)	+	0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
Salivary Glands: Mast Cell Tumor								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Salivary Glands: Myxosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL **Page:** 26

			Male			Female		
#Seminal Vesicle: Adenoma								
		0/50 (0%)	0/50 (0%)	0/50 (09	%)			
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%				
#Seminal Vesicle: Fibroma								
		0/50 (0%)	0/50 (0%)	0/50 (09	%)			
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%				
#Skeletal Muscle: Hemangiosarcoma		2/22 (22)	0.70	2/52		2/52 (221)	(22)	2/20 (201)
Occupation of the second	T-1-1	0/50 (0%)	0/50 (0%)	0/50 (09	,	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Skeletal Muscle: Osteosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (09	,	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Skeletal Muscle: Rhabdomyosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (09	%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
#Skeletal Muscle: Rhabdomyosarcoma or F	Rhabdomyoma							
		0/50 (0%)	0/50 (0%)	0/50 (09	%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: MICE Strain: B6C3F1/N

Toxicology Data Management System

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Report Date: 07/01/2019

Contract/Lab: All Laboratories Tumor Incidence for Selected Control Animal Groups

(0%)

0/150 (0%)

0/50

Mean 0%

(0%)

Route: GAVAGE Vehicle: CORN OIL

Length of Study: CHRONIC

Male **Female #Skeletal Muscle:** Sarcoma (0%) 0/50 (0%)0/50 (0%)0/50 0/50 (0%)0/50 (0%)0/50 (0%)**Overall Incidence** Total 0/150 (0%) Mean 0% SD 0% 0/150 (0%) Mean 0% SD 0% Total #Skin: **Basal Cell Carcinoma** 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)1/50 (2%)**Overall Incidence** 0/150 (0%) Mean 0% SD 0% 1/150 (0.67%) Mean 0.67% SD 1.15% Total Total #Skin: Basal Cell Carcinoma or Basosquamous Tumor (malignant or NOS) 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)1/50 (2%)**Overall Incidence** 0/150 (0%) Mean 0% SD 0% Mean 0.67% SD 1.15% Total Total 1/150 (0.67%) #Skin: Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)1/50 (2%)Overall Incidence Total 0/150 (0%) Mean 0% SD 0% Total 1/150 (0.67%) Mean 0.67% SD 1.15% #Skin: Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma 0/50 0/50 (0%)1/50 (2%)0/50 0/50 (0%)1/50 (2%)**Overall Incidence** Total 1/150 (0.67%) Mean 0.67% SD 1.15% Total 1/150 (0.67%) Mean 0.67% SD 1.15% #Skin:

0/50

SD 0%

(0%)

Total

0/50

0/150 (0%)

(0%)

0/50

(0%)

Mean 0%

0/50

SD 0%

(0%)

Total

Fibroma

Overall Incidence

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1/N

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Vehicle: CORN OIL

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			Male				Female				
#Skin: Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, Malignant Fibrous Histiocytoma, or Hemangiopericytoma											
Overall Incidence	Total	1/50 (2%) 2/150 (1.33%)	0/50 (0%) Mean 1.33%	1/50 (2%) SD 1.15%	Total	1/50 (2%) 3/150 (2%)	1/50 (2%) Mean 2%	1/50 (2%) SD 0%			
Skin: Fibroma, Fibrosarcom	a, Sarcoma, Myx	coma, Myxosarcoma, or M	alignant Fibrous Hist	iocytoma							
		1/50 (2%)	0/50 (0%)	1/50 (2%)		1/50 (2%)	1/50 (2%)	1/50 (2%)			
Overall Incidence	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	Total	3/150 (2%)	Mean 2%	SD 0%			
Skin: Fibrosarcoma											
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	1/50 (2%)			
verall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%			
Skin: Fibrosarcoma, Sarcom	ıa, Myxosarcom	a, or Malignant Fibrous H									
verall Incidence	Total	1/50 (2%)	0/50 (0%)	1/50 (2%)	Total	1/50 (2%)	1/50 (2%)	1/50 (2%) SD 0%			
verali incidence	ı otal	2/150 (1.33%)	Mean 1.33%	SD 1.15%	1 Otal	3/150 (2%)	Mean 2%	SD 0%			
Skin: Hemangioma											
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)			
verall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%			
Skin: Hemangiosarcoma											
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)			
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%			

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1/N

Toxicology Data Management System

Contract/Lab: All Laboratories

aboratories

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE

Vehicle: CORN OIL

Length of Study: CHRONIC

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			Male			Female			
#Skin: Keratoacanthoma									
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	
#Skin: Lipoma									
Overall Incidence	Total	0/50 (0%) 2/150 (1.33%)	2/50 (4%) Mean 1.33%	0/50 (0%) SD 2.31%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	
#Skin: Liposarcoma									
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	
#Skin: Malignant Fibrous Histio	cytoma								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	
#Skin: Melanoma Benign		•••••				•••••			
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	
#Skin: Neurofibrosarcoma or Sc	chwannoma (n	nalignant or NOS) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)	
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1/N

Toxicology Data Management System

Contract/Lab: All Laboratories Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE

Vehicle: CORN OIL

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Report Date: 07/01/2019

Length of Study: CHRONIC

			Male				Female			
#Skin: Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS)										
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)		
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%		
#Skin: Osteosarcoma										
Overell Incidence	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%		
#Skin: Pilomatrixoma										
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%		
#Skin: Sarcoma										
		0/50 (0%)	0/50 (0%)	1/50 (2%)		1/50 (2%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%		
#Skin: Schwannoma Malignant										
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)		
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%		
#Skin: Squamous Cell Carcinoma or Carcinoma										
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)		
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%		

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: GAVAGE Vehicle: CORN OIL Page: 31

			Male			Female				
#Skin: Squamous Cell Papilloma										
Overell Incidence	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%		
#Skin: Squamous Cell Papillon	na or Papilloma	1								
	•	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%		
#Skin: Squamous Cell Papillon	na, Papilloma, S	Squamous Cell Carcinom 0/50 (0%)	a or Keratoacanthom	a 1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%		
‡Skin: Squamous Cell Papillon	na, Papilloma, c	or Keratoacanthoma 0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%		
o veran moracnoc						0, .00 (0,0)				
#Spinal Cord: Schwannoma Malignant	:	0/50 (0%)	0/50 (0%)					0/50 (0%)		
#Spinal Cord: Schwannoma Malignant	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%		
#Spinal Cord:		` '	` '	0/50 (0%)	Total	0/50 (0%)	0/50 (0%)	` ,		

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: GAVAGE Vehicle: CORN OIL **Page:** 32

			Male				Female				
#Stomach, Forestomach: Mast Cell Tumor Malignant											
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%			
						0/130 (0/6)					
#Stomach, Forestomach: Squamous Cell Carcinoma											
Overall Incidence	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%			
#Stomach, Forestomach: Squamous Cell Carcinoma o Overall Incidence	or Papillom Total	2/50 (4%) 9/150 (6%)	2/50 (4%) Mean 6%	5/50 (10%) SD 3.46%	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%			
#Stomach, Forestomach: Squamous Cell Papilloma		1/50 (2%)	2/50 (4%)	5/50 (10%)		1/50 (2%)	0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	8/150 (5.33%)	Mean 5.33%	SD 4.16%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%			
Stomach, Glandular: Adenoma											
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%			
Stomach, Glandular: Carcinoma											
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%			
Jveran incluence	TUlai	0/130 (0%)	IVIEATI U70	3D 0%	i Olai	0/100 (0%)	IVICALI U70	SD 0%			

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL **Page:** 33

			Male				Female	
#Stomach, Glandular: Carcinoma or Adenoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Testis: Adenoma								
		0/50 (0%)	2/50 (4%)	0/50 (0%)				
verall Incidence	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%				
Testis: Hemangioma		0/50 (0%)	0/50 (0%)	0/50 (0%)				
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%				
Thymus: Thymoma Benign								0/50 (00/)
Overall Incidence	Total	1/49 (2%) 1/136 (0.74%)	0/40 (0%) Mean 0.68%	0/47 (0%) SD 1.18%	Total	0/49 (0%) 0/147 (0%)	0/48 (0%) Mean 0%	0/50 (0%) SD 0%
Гhymus: Thymoma NOS								
		0/49 (0%)	0/40 (0%)	0/47 (0%)		0/49 (0%)	0/48 (0%)	0/50 (0%)
verall Incidence	Total	0/136 (0%)	Mean 0%	SD 0%	Total	0/147 (0%)	Mean 0%	SD 0%
Thymus: Thymoma: Benign, Maligna	ant, NOS							
O	T-1-1	1/49 (2%)	0/40 (0%)	0/47 (0%)	T-1-1	0/49 (0%)	0/48 (0%)	0/50 (0%)
Overall Incidence	Total	1/136 (0.74%)	Mean 0.68%	SD 1.18%	Total	0/147 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1/N

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Report Date: 07/01/2019

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			Male					Female	
Thyroid Gland: C-Cell: Adenoma				- 1					
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 SD 0%	(0%)	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%
Thyroid Gland: C-Cell: Carcinoma									
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	SD 0%	(0%)	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%
Thyroid Gland: C-Cell: Carcinoma or Adenoma									
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	SD 0%	(0%)	Total	1/50 (2%) 2/150 (1.33%)	1/50 (2%) Mean 1.33%	0/50 (0%) SD 1.15%
Γhyroid Gland: Follicular Cell: Adenoma					•••••				
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	SD 1.15%		Total	1/50 (2%) 2/150 (1.33%)	1/50 (2%) Mean 1.33%	0/50 (0%) SD 1.15%
Thyroid Gland: Follicular Cell Carcinoma or Adenoma									
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 SD 1.15%	(0%)	Total	1/50 (2%) 2/150 (1.33%)	1/50 (2%) Mean 1.33%	0/50 (0%) SD 1.15%
Tongue: Squamous Cell Carcinoma o	r Papillom	na Squamous			•••••				
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 SD 0%	(0%)	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL **Page:** 35

			Male			Female			
#Tongue: Squamous Cell Papillom	a								
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%	
Tooth: Odontoma			•••••			•••••		•••••	
Overall Incidence	Total	0/50 (0%) 2/150 (1.33%)	0/50 (0%) Mean 1.33%	2/50 (4%) SD 2.31%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	
Urinary Bladder: Hemangiosarcoma						2/20 (20)		(201)	
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/149 (0%)	0/49 (0%) Mean 0%	0/50 (0%) SD 0%	
Jrinary Bladder: Mast Cell Tumor									
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/149 (0%)	0/49 (0%) Mean 0%	0/50 (0%) SD 0%	
Jterus: Adenoma			•••••						
overall Incidence					Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%	
Uterus: Fibroma									
Overall Incidence					Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: GAVAGE Vehicle: CORN OIL **Page:** 36

	Male		Female				
#Uterus: Granular Cell Tumor Benign							
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%			
#Uterus: Hemangioma							
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%			
#Uterus: Hemangiosarcoma							
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%			
#Uterus: Leiomyoma							
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%			
#Uterus: Polyp Stromal							
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%			
#Uterus: Sarcoma Stromal							
Overall Incidence	Total	0/50 (0%) 2/150 (1.33%)	0/50 (0%) Mean 1.33%	2/50 (4%) SD 2.31%			

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: CORN OIL **Page:** 37

			Male				Female	
#Uterus: Sarcoma Stromal or Poly	p Stromal					0/50 (0%)	0/50 (00/)	2/50 /49/\
Overall Incidence					Total	2/150 (1.33%)	0/50 (0%) Mean 1.33%	2/50 (4%) SD 2.31%
#Zymbal's Gland: Carcinoma		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
#Zymbal's Gland: Carcinoma or Adenoma								
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: GAVAGE Vehicle: WATER **Page:** 38

Report Date: 07/01/2019

Study Summary

Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical
					Male		
Battelle Columbus Laboratory	052020304	07/10/07	730	50(1)	33(694)	52.6	Green Tea Extract
					Female		
Battelle Columbus Laboratory	052020304	07/09/07	729	50(5)	34(665)	62.9	Green Tea Extract

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: GAVAGE Vehicle: WATER Page: 39

			Male		Female 20/50 (40%) Total 20/50 (40%) Mean 40% SD 0% 18/50 (36%) Total 18/50 (36%) Mean 36% SD 0% 29/50 (58%) Total 29/50 (58%) Mean 58% SD 0% 0/50 (0%) Total 0/50 (0%) Mean 0% SD 0%				
#All Organs: Benign Tumors									
		43/50 (86%)				20/50 (40%)			
Overall Incidence	Total	43/50 (86%)	Mean 86%	SD 0%	Total	20/50 (40%)	Mean 40%	SD 0%	
#All Organs: Malignant Tumors									
		28/50 (56%)				` '			
Overall Incidence	Total	28/50 (56%)	Mean 56%	SD 0%	Total	18/50 (36%)	Mean 36%	SD 0%	
#All Organs: Malignant and Benign Tu									
		49/50 (98%)				` '			
Overall Incidence	Total	49/50 (98%)	Mean 98%	SD 0%		, ,			
#All Organs: Hemangioma		2/50 (4%)				0/50 (0%)			
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%		0/50 (0%)		SD 0%	
#All Organs: Hemangiosarcoma									
		5/50 (10%)				2/50 (4%)			
Overall Incidence	Total	5/50 (10%)	Mean 10%	SD 0%	Total	2/50 (4%)	Mean 4%	SD 0%	
#All Organs: Hemangiosarcoma or He	emangioma	7/50 (14%)				2/50 (4%)			
Overall Incidence	Total	7/50 (14%)	Mean 14%	SD 0%	Total	2/50 (4%)	Mean 4%	SD 0%	

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: WATER **Page:** 40

				Male		0/50 (0%) Total 0/50 (0%) Mean 0% SD 0%			
#All Organs: Histiocytic Sarcoma			(0%)				` '		
Overall Incidence	Total	0/50 (0%)		Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#All Organs: Malignant Lymphoma: Hist	iocytic, Lym			Undifferentiated Ce	II Type				
Overall Incidence	Total	4/50 (8%)	(8%)	Mean 8%	SD 0%	Total	` ,	Mean 14%	SD 0%
#All Organs: Malignant Schwannoma			(0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	,	Mean 0%	SD 0%	Total	` '	Mean 0%	SD 0%
#All Organs: Osteosarcoma			(0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	,	Mean 0%	SD 0%	Total	, ,	Mean 0%	SD 0%
#All Organs: Osteosarcoma or Osteoma									
Overall Incidence	Total	0/50 0/50 (0%)	(0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Adrenal Cortex: Adenoma		1/49	(2%)				0/49 (0%)		
Overall Incidence	Total	1/49 (2.04%	` ,	Mean 2.04%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: GAVAGE Vehicle: WATER Page: 41

				Male		0/49 (0%) Mean 0% SD 0% 0/49 (0%) Mean 0% SD 0% 0/49 (0%) Mean 0% SD 0% 0/50 (0%) Mean 0% SD 0%			
*Adrenal Medulla: Pheochromocytoma Ber	nign								
Overall Incidence	Total	0/49 (0%)	(0%)	Mean 0%	SD 0%	Total	0/49 (0%)		SD 0%
*Adrenal Medulla: Pheochromocytoma Mal	ignant								
Overall Incidence	Total	0/49 0/49 (0%)	(0%)	Mean 0%	SD 0%	Total	()	Mean 0%	SD 0%
*Adrenal Medulla: Pheochromocytoma: Be	nign, Complex,		(0%)				0/49 (0%)		
Overall Incidence	Total	0/49 (0%)	,	Mean 0%	SD 0%	Total	` '	Mean 0%	SD 0%
#Blood Vessel: Hemangioma Overall Incidence	Total		(0%)	Mean 0%	SD 0%	Total	` ,	Mean 0%	SD 0%
		, ,					, ,		
Overall Incidence	Total	0/50 0/50 (0%)	(0%)	Mean 0%	SD 0%	Total	` '	Mean 0%	SD 0%
*Bone Marrow: Hemangiosarcoma		4/50	(20()				4/50 (00/)		
Overall Incidence	Total	1/50 1/50 (2%)	(2%)	Mean 2%	SD 0%	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: GAVAGE Vehicle: WATER Page: 42

		Male Female						
*Bone Marrow: Mast Cell Tumor Malignant		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Bone Marrow: Sarcoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Bone: Fibroma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Bone: Hemangioma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Bone: Hemangiosarcoma		0/50 (004)				(00)		
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Bone: Osteosarcoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: GAVAGE Vehicle: WATER **Page:** 43

				Male Female						
#Bone: Osteosarcoma or Osteoma	a									
			(0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)		Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Bone: Sarcoma										
			(0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)		Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Clitoral/Preputial Gland: Mast Cell Tumor		0/50	(0%)				0/49 (0%)			
Overall Incidence	Total	0/50 (0%)	(070)	Mean 0%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%	
#Coagulating Gland: Granular Cell Tumor		0/50	(0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)		Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Coagulating Gland: Sarcoma										
			(2%)				0/50 (0%)			
Overall Incidence	Total	1/50 (2%)		Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Epididymis: Mast Cell Tumor		0/50	(0%)							
Overall Incidence	Total	0/50 (0%)	(- / - /)	Mean 0%	SD 0%					

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1/N

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

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Report Date: 07/01/2019

Route: GAVAGE

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Vehicle: WATER

		Male Female					
	` '		05.00/		` ,	••	05.00/
Total	7/50 (14%)	Mean 14%	SD 0%	Total	2/50 (4%)	Mean 4%	SD 0%
	,				` '		
Total	1/50 (2%)	Mean 2%	SD 0%	Total	2/50 (4%)	Mean 4%	SD 0%
	0/50 (460/)				4/50 (OO()		
Total	, ,	Moon 16%	SD 0%	Total	` '	Moon 8%	SD 0%
10tai					4/30 (6/8)	Weall 070	JD 0/0
	0/50 (0%)				0/50 (0%)		
Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
					0/50 (00)		
Total	` '	Maan 00/	CD 00/	Total	, ,	Maan 00/	SD 0%
	` '		SD 0%	ıotaı	0/50 (0%)	wean 0%	SD 0%
	0/50 (0%)				0/50 (0%)		
Total	` '	Mean 0%	SD 0%	Total	` ,	Mean 0%	SD 0%
	Total	1/50 (2%) Total 1/50 (2%) 8/50 (16%) Total 8/50 (16%) Total 0/50 (0%) Total 0/50 (0%) Total 0/50 (0%) 0/50 (0%)	7/50 (14%) Total 7/50 (14%) Mean 14% 1/50 (2%) Total 1/50 (2%) Mean 2% 8/50 (16%) Total 8/50 (16%) Mean 16% 0/50 (0%) Total 0/50 (0%) Mean 0% 0/50 (0%) Total 0/50 (0%) Mean 0%	Total 7/50 (14%) Total 7/50 (14%) Mean 14% SD 0% 1/50 (2%) Total 1/50 (2%) Mean 2% SD 0% 8/50 (16%) Total 8/50 (16%) Mean 16% SD 0% Total 0/50 (0%) Total 0/50 (0%) Total 0/50 (0%) Mean 0% SD 0% SD 0%	Total 7/50 (14%) Total 7/50 (14%) Mean 14% SD 0% Total 1/50 (2%) Total 1/50 (2%) Mean 2% SD 0% Total 8/50 (16%) Total 8/50 (16%) Mean 16% SD 0% Total 0/50 (0%) Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Total 0/50 (0%) Total 0/50 (0%) Mean 0% SD 0% Total	Total 7/50 (14%) Total 7/50 (14%) Mean 14% SD 0% Total 2/50 (4%) 1/50 (2%) Total 1/50 (2%) Mean 2% SD 0% Total 2/50 (4%) Total 8/50 (16%) Mean 16% SD 0% Total 4/50 (8%) Total 8/50 (16%) Mean 16% SD 0% Total 4/50 (8%) Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Total 0/50 (0%)	Total 7/50 (14%) Mean 14% SD 0% Total 2/50 (4%) Mean 4% Total 1/50 (2%) Mean 2% SD 0% Total 2/50 (4%) Mean 4% Total 1/50 (2%) Mean 2% SD 0% Total 2/50 (4%) Mean 4% Total 8/50 (16%) Mean 16% SD 0% Total 4/50 (8%) Mean 8% Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: GAVAGE Vehicle: WATER **Page:** 45

				Male	Male Female				
#Intestine Small: Duodenum: Adenoma									
			(0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)		Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Intestine Small: Duodenum: Carcinoma									
			(0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)		Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Intestine Small: Duodenum: Polyp Adenomatous									
			(0%)		OD .00/		0/50 (0%)	• • • • • • • • • • • • • • • • • • • •	05.00/
Overall Incidence	Total	0/50 (0%)		Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Intestine Small: Ileum: Adenoma									
			(0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)		Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Intestine Small: Jejunum: Adenoma									
		0/50 ((0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)		Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Intestine Small: Jejunum: Carcinoma									
			(4%)				0/50 (0%)		
Overall Incidence	Total	2/50 (4%)		Mean 4%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: WATER **Page:** 46

			Male		Female					
#Intestine Small: Jejunum: Leiomyosarcoma										
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%		
#Intestine Small: Jejunum: Mast Cell Tumor										
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
#Intestine Small: Site Unspec Adenoma	cified:									
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
#Intestine Small: Site Unspec Carcinoma						0/50 (00/)				
Overall Incidence	Total	2/50 (4%) 2/50 (4%)	Mean 4%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
#Intestine Small: Site Unspec										
Overall Incidence	Total	2/50 (4%) 2/50 (4%)	Mean 4%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
#Intestine Small: Site Unspec Leiomyosarcoma						4/50 (00%)				
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%		

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Mast Cell Tumor

Overall Incidence

Overall Incidence

*Islets, Pancreatic: Adenoma

Overall Incidence

*Islets, Pancreatic: Carcinoma

Overall Incidence

*Islets, Pancreatic:

Overall Incidence

Overall Incidence

Adenoma

*Kidney: Renal Tubule:

Polyp Adenomatous

#Intestine Small: Site Unspecified:

#Intestine Small: Site Unspecified:

.....

Carcinoma or Adenoma

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: WATER

SD 0%

SD 0%

Male **Female** 0/50 (0%)Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% (0%)0/50 (0%)Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% 1/50 (2%)Mean 2% SD 0% Total 1/50 (2%) Mean 2% SD 0% 0/50 (0%)Mean 2% SD 0% Total Mean 0% SD 0% 0/50 (0%)

1/50

0/50

0/50 (0%)

1/50 (2%)

Total

Total

(2%)

(0%)

Mean 2%

Mean 0%

SD 0%

SD 0%

Page: 47

Report Date: 07/01/2019

* Deneminator is	. m., maharaf	بنغ طفنيين مام معناهم	 mieroconicolly

Total

Total

Total

Total

Total

Total

0/50

0/50 (0%)

0/50

0/50 (0%)

1/50

1/50 (2%)

1/50

1/50 (2%)

2/50

2/50 (4%)

1/50

1/50 (2%)

(0%)

(2%)

(2%)

(4%)

(2%)

Mean 4%

Mean 2%

^{#:} Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1/N

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Page: 48

Report Date: 07/01/2019

Route: GAVAGE

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Vehicle: WATER

			0/50 (0%) Total 0/50 (0%) Mean 0% SD 0% 0/50 (0%) Total 0/50 (0%) Mean 0% SD 0% 0/50 (0%) Total 0/50 (0%) Mean 0% SD 0%						
*Kidney: Renal Tubule: Carcinoma									
Overall Incidence	Total	2/50 (4 2/50 (4%)	Mean 4		Total	0/50 (0%)		SD 0%	
*Kidney: Renal Tubule: Carcinoma or Adenoma		3/50 (6							
Overall Incidence	Total	3/50 (6%)	Mean 6	% SD 0%	Total	` ,	Mean 0%	SD 0%	
*Kidney: Renal Tubule: Hemangiosarcoma		0/50 (0	%)			0/50 /0%\			
Overall Incidence	Total	0/50 (0%)	Mean 0	% SD 0%	Total	, ,	Mean 0%	SD 0%	
*Kidney: Renal Tubule: Mast Cell Tumor Overall Incidence	Total	0/50 (0 0/50 (0%)		% SD 0%	Total	, ,	Mean 0%	SD 0%	
*Kidney: Renal Tubule: Renal Mesenchymal Tumor									
Overall Incidence	Total	0/50 (0 0/50 (0%)	%) Mean 0	% SD 0%	Total	` ,	Mean 0%	SD 0%	
*Liver: Cholangiocarcinoma		0/50 (0	%)			0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0	% SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Tumor Incidence for Selected Control Animal Groups

Contract/Lab: All Laboratories Species: MICE

Strain: B6C3F1/N

Length of Study: CHRONIC

Toxicology Data Management System

Route: GAVAGE Vehicle: WATER **Page**: 49

			Male				Female	
*Liver: Hemangioma								
-		2/50 (4%)				0/50 (0%)		
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Liver: Hemangiosarcoma								
		3/50 (6%)				1/50 (2%)		
Overall Incidence	Total	3/50 (6%)	Mean 6%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
*Liver: Hepatoblastoma		2/50 (4%)				0/50 (0%)		
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Liver: Hepatocellular Adenoma Overall Incidence	Total	35/50 (70%) 35/50 (70%)	Mean 70%	SD 0%	Total	12/50 (24%) 12/50 (24%)	Mean 24%	SD 0%
*Liver: Hepatocellular Carcinoma		15/50 (30%)				5/50 (10%)		
Overall Incidence	Total	15/50 (30%)	Mean 30%	SD 0%	Total	5/50 (10%)	Mean 10%	SD 0%
*Liver: Hepatocellular Carcinoma	a or Hepatobla					E/EO (400/)		
Overall Incidence	Total	17/50 (34%) 17/50 (34%)	Mean 34%	SD 0%	Total	5/50 (10%) 5/50 (10%)	Mean 10%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Strain: B6C3F1/N

Toxicology Data Management System

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Mean 2%

SD 0%

Report Date: 07/01/2019

Contract/Lab: All Laboratories

Species: MICE

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: WATER

Male **Female** *Liver: Hepatocellular Carcinoma or Hepatocellular Adenoma 40/50 (80%)14/50 (28%)**Overall Incidence** Total 40/50 (80%) Mean 80% SD 0% Total 14/50 (28%) Mean 28% SD 0% *Liver: Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma 40/50 (80%) 14/50 (28%)**Overall Incidence** Total 40/50 (80%) Mean 80% SD 0% Total 14/50 (28%) Mean 28% SD 0% *Liver: Hepatocholangiocarcinoma 0/50 (0%)0/50 (0%)**Overall Incidence** Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% *Liver: **Mast Cell Tumor** 0/50 (0%)0/50 (0%)**Overall Incidence** Total 0/50 (0%) Mean 0% SD 0% Total Mean 0% SD 0% 0/50 (0%) *Lung: Alveolar/Bronchiolar Adenoma 12/50 (24%)5/50 (10%) **Overall Incidence** Total 12/50 (24%) Mean 24% SD 0% Total 5/50 (10%) Mean 10% SD 0% Alveolar/Bronchiolar Carcinoma 2/50 (4%)1/50 (2%)

SD 0%

Total

1/50 (2%)

Total

2/50 (4%)

Mean 4%

Overall Incidence

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Strain: B6C3F1/N

Species: MICE

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

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Report Date: 07/01/2019

Route: GAVAGE Vehicle: WATER

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Male **Female** *Lung: Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma 14/50 (28%)6/50 (12%)14/50 (28%) **Overall Incidence** Total Mean 28% SD 0% Total 6/50 (12%) Mean 12% SD 0% *Lung: Hemangiosarcoma 0/50 (0%)0/50 (0%)**Overall Incidence** Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% *Lung: **Mast Cell Tumor** 0/50 (0%)0/50 (0%)**Overall Incidence** Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% #Lymph Node: Hemangiosarcoma 0/50 (0%)0/50 (0%)**Overall Incidence** Total 0/50 (0%) Mean 0% SD 0% Total Mean 0% SD 0% 0/50 (0%) **#Lymph Node: Mast Cell Tumor** 0/50 (0%)0/50 (0%)**Overall Incidence** Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% #Lymph Node, Mandibular: **Mast Cell Tumor** 0/50 (0%)0/50 (0%)**Overall Incidence** Total 0/50 (0%) Mean 0% SD 0% Total SD 0% 0/50 (0%) Mean 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: GAVAGE Vehicle: WATER **Page:** 52

			Male				Female	
#Lymph Node, Mandibular: Mast Cell Tumor Malignant								
_		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Lymph Node, Mesenteric: Hemangioma								
		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Lymph Node, Mesenteric: Hemangiosarcoma								
		1/50 (2%)				0/50 (0%)		
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Lymph Node, Mesenteric: Mast Cell Tumor		0/50 (00/)				0/50 (00/)		
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Lymph Node, Mesenteric: Mast Cell Tumor Malignant								
		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Mammary Gland: Adenoma								
		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE
Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: WATER **Page:** 53

		Male				Female			
	0/50 (0%)				0/50 (0%)				
Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
	0/50 (0%)				0/50 (0%)				
Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
or Adenoma	0/50 (0%)				0/50 (0%)				
Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
					0/50 (0%)				
Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
	0/50 (0%)				0/50 (0%)				
Total	` ,	Mean 0%	SD 0%	Total	` '	Mean 0%	SD 0%		
	Total or Adenoma Total Carcinoma, or Total	Total 0/50 (0%) O/50 (0%) Total 0/50 (0%) Or Adenoma O/50 (0%) Total 0/50 (0%) Carcinoma, or Adenoma O/50 (0%) Total 0/50 (0%) Total 0/50 (0%) Total 0/50 (0%) O/50 (0%)	0/50 (0%) Total 0/50 (0%) Mean 0% 0/50 (0%) Total 0/50 (0%) Mean 0% Or Adenoma 0/50 (0%) Total 0/50 (0%) Mean 0% Carcinoma, or Adenoma 0/50 (0%) Total 0/50 (0%) Mean 0% Total 0/50 (0%) Mean 0%	O/50 (0%) Total O/50 (0%) Mean 0% SD 0% O/50 (0%) Total O/50 (0%) Mean 0% SD 0% Or Adenoma O/50 (0%) Total O/50 (0%) Mean 0% SD 0% Carcinoma, or Adenoma O/50 (0%) Total O/50 (0%) Mean 0% SD 0% Carcinoma, or Adenoma O/50 (0%) Total O/50 (0%) Mean 0% SD 0%	Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Total 0/50 (0%) Mean 0% SD 0% Total Or Adenoma 0/50 (0%) Total 0/50 (0%) Mean 0% SD 0% Total Carcinoma, or Adenoma 0/50 (0%) Total 0/50 (0%) Mean 0% SD 0% Total Carcinoma, or Adenoma 0/50 (0%) Total 0/50 (0%) Mean 0% SD 0% Total	O/50 (0%) Mean 0% SD 0% Total O/50 (0%) O/50 (0%)	Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% Carcinoma, or Adenoma 0/50 (0%) Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0%		

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: GAVAGE Vehicle: WATER **Page:** 54

			Male				Female	
#Mesentery: Lipoma						,		
		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Mesentery: Sarcoma								
		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Nose: Adenoma								
		0/50 (0%)				1/48 (2%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/48 (2.08%)	Mean 2.08%	SD 0%
*Nose: Polyp								
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/48 (0%) 0/48 (0%)	Mean 0%	SD 0%
#Oral Cavity (Oral Mucos	sa, Tongue, Phary						•••••	
rapilionia squamous (or Fapilionia	0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Oral Cavity (Oral Mucos Squamous Cell Carcin	sa, Tongue, Phary							
		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: WATER **Page:** 55

			Male				Female				
#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva): Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma 0/50 (0%) Overall Incidence Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0%											
#Oral Mucosa: Squamous Cell Carcinor	na	0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
*Ovary: Cystadenocarcinoma						1/50 (2%)					
Overall Incidence					Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%			
*Ovary: Cystadenoma						3/50 (6%)					
Overall Incidence					Total	3/50 (6%)	Mean 6%	SD 0%			
*Ovary: Granulosa Cell Tumor B	enign					0/50 (00)					
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%			
*Ovary: Granulosa Cell Tumor M	alignant					0/50 (00/)					
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%			

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1/N

Toxicology Data Management System

Contract/Lab: All Laboratories Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: WATER

Length of Study: CHRONIC

Page: 56

	Male			Female	
*Ovary: Granulosa Cell Tumor: Benign, Malignant, NOS					
Overall Incidence		Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Ovary: Granulosa-Theca Tumor Malignant					
Overall Incidence		Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Ovary: Hemangioma			(201)		
Overall Incidence		Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Ovary: Hemangiosarcoma					
Overall Incidence		Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Ovary: Luteoma					
Overall Incidence		Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Ovary: Sarcoma					
Overall Incidence		Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1/N

Toxicology Data Management System

Contract/Lab: All Laboratories

Tumor Incidence for Selected Control Animal Groups

Vehicle: WATER

Route: GAVAGE

Length of Study: CHRONIC

Page: 57

			Male			Female			
*Ovary: Thecoma Malignant									
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
*Ovary: Tubulostromal Adenom	na								
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
*Pancreas: Mast Cell Tumor			•••••	•••••					
		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Parathyroid Gland: Adenoma			•••••	•••••					
		0/41 (0%)				0/35 (0%)			
Overall Incidence	Total	0/41 (0%)	Mean 0%	SD 0%	Total	0/35 (0%)	Mean 0%	SD 0%	
*Pituitary Gland: Pars Dis Adenoma	talis or Unspeci	fied Site:	•••••	•••••		•••••			
		1/49 (2%)				0/50 (0%)			
Overall Incidence	Total	1/49 (2.04%)	Mean 2.04%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Pituitary Gland: Pars Dis Carcinoma									
		0/49 (0%)				0/50 (0%)			
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: WATER **Page:** 58

			Male				Female		
*Pituitary Gland: Pars Dist Carcinoma or Adenoma	alis or Unspeci	fied Site:							
		1/49 (2%)				0/50 (0%)			
Overall Incidence	Total	1/49 (2.04%)	Mean 2.04%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Pituitary Gland: Pars Inte Adenoma	rmedia:								
		0/49 (0%)				0/50 (0%)			
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Pituitary Gland: Pars Inte Carcinoma	rmedia:								
		0/49 (0%)				0/50 (0%)			
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Pituitary Gland: Pars Inte Carcinoma or Adenoma						2/52 (221)			
Overall Incidence	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
*Pituitary Gland: Pars Inte Schwannoma Malignant	rmedia:								
· ·		0/49 (0%)				0/50 (0%)			
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Prostate: Mast Cell Tumor		0/50 (0%)							
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%					

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1/N

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: WATER

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Page: 59

			Male				Female	
*Salivary Glands: Adenoma								
		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Salivary Glands: Carcinoma								
		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Salivary Glands: Carcinoma or Adenoma		0/50 (00/)				0/50 (00/)		
O	T-1-1	0/50 (0%)	Mara 2007	OD 00/	T-1-1	0/50 (0%)	M 00/	OD 00/
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Salivary Glands: Hemangiosarcoma								
		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Salivary Glands: Mast Cell Tumor								
		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Salivary Glands: Myxosarcoma								
		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: WATER **Page:** 60

			Male				Female	
#Seminal Vesicle: Adenoma								
		0/50 (0%)		05.00				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%				
#Seminal Vesicle: Fibroma								
• " ' '	-	0/50 (0%)		OD 00/				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%				
#Skeletal Muscle: Hemangiosarcoma		0(50 (004)				0/50 (00)		
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
					10tai	0/30 (0 /8)		
#Skeletal Muscle: Osteosarcoma								
		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skeletal Muscle: Rhabdomyosarcoma								
·		0/50 (0%)				2/50 (4%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	2/50 (4%)	Mean 4%	SD 0%
#Skeletal Muscle: Rhabdomyosarcoma or F	Rhabdomyoma							
		0/50 (0%)				2/50 (4%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	2/50 (4%)	Mean 4%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Strain: B6C3F1/N

Species: MICE

Toxicology Data Management System

Contract/Lab: All Laboratories

Tumor Incidence for Selected Control Animal Groups

Animal Groups

Page: 61

Report Date: 07/01/2019

Route: GAVAGE Vehicle: WATER

Length of Study: CHRONIC

Male **Female #Skeletal Muscle:** Sarcoma 0/50 (0%)0/50 (0%)**Overall Incidence** Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% #Skin: **Basal Cell Carcinoma** 0/50 (0%)0/50 (0%)**Overall Incidence** Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% #Skin: Basal Cell Carcinoma or Basosquamous Tumor (malignant or NOS) 0/50 0/50 (0%)**Overall Incidence** 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% Total #Skin: Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma 0/50 (0%)0/50 (0%)Overall Incidence Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% #Skin: Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma 0/50 (0%)0/50 Mean 0% Overall Incidence Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) SD 0% #Skin: **Fibroma** (0%)0/50 (0%)**Overall Incidence** Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Version: Apr2019 Contract/Lab: All Laboratories

Species: MICE

Strain: B6C3F1/N

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: WATER

Length of Study: CHRONIC

Vol.19.02

Page: 62

			Male				Female	
#Skin: Fibroma, Fibrosarcoma, Hemangiopericytoma	, Sarcoma, Myxo	oma, Myxosarcoma, Mali	gnant Fibrous Histic	ocytoma, or				
3 4,7 3,7 4		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skin: Fibroma, Fibrosarcoma	. Sarcoma. Myx	oma. Myxosarcoma. or N		stiocytoma				
,	, o oo, ,	0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skin: Fibrosarcoma						0/50		
		0/50 (0%)		OD		0/50 (0%)		00.00
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skin: Fibrosarcoma, Sarcoma	ı, Myxosarcoma	, or Malignant Fibrous H 0/50 (0%)	istiocytoma			0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skin: Hemangioma								
		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skin: Hemangiosarcoma								
		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: GAVAGE Vehicle: WATER **Page:** 63

			Male				Female	
#Skin: Keratoacanthoma								
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Skin: Lipoma								
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Skin: Liposarcoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skin: Malignant Fibrous Histic						0/50 (00/)		
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Skin: Melanoma Benign								
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Skin: Neurofibrosarcoma or S						0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Strain: B6C3F1/N

Species: MICE

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

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Report Date: 07/01/2019

Route: GAVAGE Vehicle: WATER

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Male **Female** #Skin: Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS) 0/50 (0%)0/50 (0%)0/50 (0%) **Overall Incidence** Total Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% #Skin: Osteosarcoma 0/50 (0%)0/50 (0%)**Overall Incidence** Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) SD 0% Mean 0% #Skin: **Pilomatrixoma** 0/50 (0%)0/50 (0%)**Overall Incidence** Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% #Skin: Sarcoma 0/50 (0%)0/50 (0%)**Overall Incidence** Total 0/50 (0%) Mean 0% SD 0% Total Mean 0% SD 0% 0/50 (0%) #Skin: Schwannoma Malignant 0/50 (0%)0/50 (0%)**Overall Incidence** Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma 0/50 (0%)0/50 (0%)0/50 (0%) Mean 0% **Overall Incidence** Total Mean 0% SD 0% Total 0/50 (0%) SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: GAVAGE Vehicle: WATER Page: 65

			Male				Female	
#Skin: Squamous Cell Papillor	na	0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skin: Squamous Cell Papillor	na or Papilloma							
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Skin: Squamous Cell Papillor	na, Papilloma, S	quamous Cell Carcinom 0/50 (0%)	a or Keratoacanthon	na		0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skin: Squamous Cell Papillor		r Keratoacanthoma	•••••					
	•	0/50 (0%)				0/50 (0%)		
Overall Incidence	Total		Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
Overall Incidence #Spinal Cord:	Total	0/50 (0%)	Mean 0% Mean 0%	SD 0%	Total Total	` '	Mean 0% Mean 0%	SD 0%
Overall Incidence #Spinal Cord: Schwannoma Malignan	Total t	0/50 (0%) 0/50 (0%) 0/50 (0%)				0/50 (0%)		

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: GAVAGE Vehicle: WATER **Page:** 66

				Male				Female	
#Stomach, Forestomach: Mast Cell Tumor Malignant									
		0/50	(0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)		Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Stomach, Forestomach: Squamous Cell Carcinoma									
		0/50	(0%)				1/50 (2%)		
Overall Incidence	Total	0/50 (0%)		Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
#Stomach, Forestomach: Squamous Cell Carcinoma o	-	0/50	(0%)				2/50 (4%)		
Overall Incidence	Total	0/50 (0%)		Mean 0%	SD 0%	Total	2/50 (4%)	Mean 4%	SD 0%
#Stomach, Forestomach: Squamous Cell Papilloma		0/50	(0%)				1/50 (2%)		
Overall Incidence	Total	0/50 (0%)	,	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
#Stomach, Glandular: Adenoma									
		0/50	(0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)		Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Stomach, Glandular: Carcinoma									
		0/50	(0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)		Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: WATER **Page:** 67

			Male				Female	
#Stomach, Glandular: Carcinoma or Adenoma								
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Testis: Adenoma						······		
Overall Incidence	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%				
*Testis: Hemangioma		0/50 (0%)						
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%				
*Thymus: Thymoma Benign		0/44 (0%)				0/47 (0%)		
Overall Incidence	Total	0/44 (0%)	Mean 0%	SD 0%	Total	0/47 (0%)	Mean 0%	SD 0%
*Thymus: Thymoma NOS				•••••				
Overall Incidence	Total	0/44 (0%) 0/44 (0%)	Mean 0%	SD 0%	Total	0/47 (0%) 0/47 (0%)	Mean 0%	SD 0%
*Thymus: Thymoma: Benign, Malig	ınant, NOS	0/44 (60%)				0/47 (00%)		
Overall Incidence	Total	0/44 (0%) 0/44 (0%)	Mean 0%	SD 0%	Total	0/47 (0%) 0/47 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Tumor Incidence for Selected Control Animal Groups **Route:** GAVAGE Report Date: 07/01/2019

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Species: MICE Strain: B6C3F1/N

Vehicle: WATER

Length of Study: CHRONIC

			Male				Female	
*Thyroid Gland: C-Cell: Adenoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Thyroid Gland: C-Cell: Carcinoma	•••••	0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Thyroid Gland: C-Cell: Carcinoma or Adenoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Thyroid Gland: Follicular Cell Adenoma Overall Incidence	: Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Thyroid Gland: Follicular Cell Carcinoma or Adenoma		1/50 (2%)				0/50 (0%)		
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Tongue: Squamous Cell Carcinoma o	or Papilloma	a Squamous 0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: WATER **Page:** 69

			Male				Female	
#Tongue: Squamous Cell Papilloma								
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
·····		` ,				, ,		
#Tooth: Odontoma								
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Urinary Bladder: Hemangiosarcoma								
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Urinary Bladder: Mast Cell Tumor		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Uterus: Adenoma						•••••		
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Uterus: Fibroma								
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1/N

Toxicology Data Management System

Contract/Lab: All Laboratories

Tumor Incidence for Selected Control Animal Groups

nce for Selected Control Animal Group

Route: GAVAGE

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Report Date: 07/01/2019

Vehicle: WATER

Length of Study: CHRONIC

	Male			Female	
#Uterus: Granular Cell Tumor Benign			0/50 (0%)		
Overall Incidence		Total	0/50 (0%)	Mean 0%	SD 0%
#Uterus: Hemangioma			0/50 (0%)		
Overall Incidence		Total	0/50 (0%)	Mean 0%	SD 0%
#Uterus: Hemangiosarcoma					
Overall Incidence		Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Uterus: Leiomyoma			0/50 (0%)		
Overall Incidence		Total	0/50 (0%)	Mean 0%	SD 0%
#Uterus: Polyp Stromal					
Overall Incidence		Total	2/50 (4%) 2/50 (4%)	Mean 4%	SD 0%
#Uterus: Sarcoma Stromal					
Overall Incidence		Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

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Report Date: 07/01/2019

Contract/Lab: All Laboratories

Species: MICE
Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: GAVAGE Vehicle: WATER

			Male				Female	
#Uterus: Sarcoma Stromal or Pol	lyp Stromal					2/50 (4%)		
Overall Incidence					Total	2/50 (4%)	Mean 4%	SD 0%
#Zymbal's Gland: Carcinoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Zymbal's Gland: Carcinoma or Adenoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: INHALATION Vehicle: AIR

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Report Date: 07/01/2019

Study Summary

Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical
					Male		
Battelle Northwest	052060104	10/06/08	729	50(5)	38(708)	52.1	Antimony trioxide
Battelle Northwest	052072504	08/31/09	729	50(5)	35(697)	51.1	2,3-Butanedione
Battelle Northwest	052051504	05/05/08	729	50(5)	39(709)	52.6	Metal Working Fluids: CIMSTAR 3800
Battelle Northwest	052052304	08/03/09	729	50(5)	38(692)	52.4	Metal Working Fluids: TRIM VX
Battelle Northwest	051047204	01/31/11	729	50(5)	40(705)	52.7	p-Chloro-a,a,a-trifluorotoluene
					Female		
Battelle Northwest	052060104	10/06/08	731	50(5)	36(692)	54.1	Antimony trioxide
Battelle Northwest	052072504	08/31/09	731	50(5)	36(697)	51.0	2,3-Butanedione
Battelle Northwest	052051504	05/05/08	731	50(5)	39(696)	59.2	Metal Working Fluids: CIMSTAR 3800
Battelle Northwest	052052304	08/03/09	731	50(5)	35(692)	57.9	Metal Working Fluids: TRIM VX
Battelle Northwest	051047204	01/31/11	731	50(5)	38(700)	55.9	p-Chloro-a,a,a-trifluorotoluene

Toxicology Data Management System

Contract/Lab: All Laboratories

t/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male				Female	
#All Organs: Benign Tumors								
		37/50 (74%) 32/50 (64%)	22/50 (44%) 32/50 (64%)	39/50 (78%)		25/50 (50%) 23/50 (46%)	15/50 (30%) 24/50 (48%)	26/50 (52%)
Overall Incidence	Total	162/250 (64.8%)	Mean 64.8%	SD 13.16%	Total	113/250 (45.2%)	Mean 45.2%	SD 8.79%
#All Organs: Malignant Tumors								
		25/50 (50%) 32/50 (64%)	27/50 (54%) 25/50 (50%)	26/50 (52%)		25/50 (50%) 27/50 (54%)	24/50 (48%) 24/50 (48%)	30/50 (60%)
Overall Incidence	Total	135/250 (54%)	Mean 54%	SD 5.83%	Total	130/250 (52%)	Mean 52%	SD 5.1%
#All Organs: Malignant and Benign T	umors							
		45/50 (90%) 42/50 (84%)	37/50 (74%) 44/50 (88%)	46/50 (92%)		35/50 (70%) 38/50 (76%)	34/50 (68%) 38/50 (76%)	41/50 (82%)
Overall Incidence	Total	214/250 (85.6%)	Mean 85.6%	SD 7.13%	Total	186/250 (74.4%)	Mean 74.4%	SD 5.55%
All Organs: Hemangioma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	1/50 (2%)		0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
#All Organs: Hemangiosarcoma								
		2/50 (4%) 0/50 (0%)	1/50 (2%) 2/50 (4%)	1/50 (2%)		4/50 (8%) 2/50 (4%)	0/50 (0%) 3/50 (6%)	3/50 (6%)
Overall Incidence	Total	6/250 (2.4%)	Mean 2.4%	SD 1.67%	Total	12/250 (4.8%)	Mean 4.8%	SD 3.03%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Tumor Incidence for Selected Control Animal Groups
Route: INHALATION

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Report Date: 07/01/2019

Species: MICE Strain: B6C3F1/N

Vehicle: AIR

Length of Study: CHRONIC

			Male				Female	
All Organs: Hemangiosarcoma or H	lemangioma							
		2/50 (4%) 0/50 (0%)	1/50 (2%) 2/50 (4%)	2/50 (4%)		4/50 (8%) 3/50 (6%)	0/50 (0%) 3/50 (6%)	3/50 (6%)
Overall Incidence	Total	7/250 (2.8%)	Mean 2.8%	SD 1.79%	Total	13/250 (5.2%)	Mean 5.2%	SD 3.03%
#All Organs: Histiocytic Sarcoma								
		1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	1/50 (2%)		3/50 (6%) 4/50 (8%)	1/50 (2%) 2/50 (4%)	2/50 (4%)
Overall Incidence	Total	2/250 (0.8%)	Mean 0.8%	SD 1.1%	Total	12/250 (4.8%)	Mean 4.8%	SD 2.28%
	Histiocytic, Lym	nphocytic, Mixed, NOS, or 4/50 (8%)	r Undifferentiated Cel 6/50 (12%)	I Type 3/50 (6%)		7/50 (14%)	9/50 (18%)	18/50 (36%)
	Histiocytic, Lym	4/50 (8%)	6/50 (12%)	• •			` ,	18/50 (36%)
Malignant Lymphoma: I	Histiocytic, Lym Total			• •	Total	7/50 (14%) 10/50 (20%) 53/250 (21.2%)	9/50 (18%) 9/50 (18%) Mean 21.2%	18/50 (36%) SD 8.56%
Malignant Lymphoma: h	Total	4/50 (8%) 6/50 (12%) 25/250 (10%)	6/50 (12%) 6/50 (12%) Mean 10%	3/50 (6%) SD 2.83%	Total	10/50 (20%) 53/250 (21.2%)	9/50 (18%) Mean 21.2%	SD 8.56%
Malignant Lymphoma: h Overall Incidence HAll Organs:	Total	4/50 (8%) 6/50 (12%)	6/50 (12%) 6/50 (12%)	3/50 (6%)	Total	10/50 (20%)	9/50 (18%)	,
Malignant Lymphoma: h Overall Incidence HAII Organs: Malignant Schwannoma	Total	4/50 (8%) 6/50 (12%) 25/250 (10%) 0/50 (0%)	6/50 (12%) 6/50 (12%) Mean 10%	3/50 (6%) SD 2.83%	Total Total	10/50 (20%) 53/250 (21.2%) 0/50 (0%)	9/50 (18%) Mean 21.2% 0/50 (0%)	SD 8.56%
Malignant Lymphoma: h Overall Incidence FAII Organs: Malignant Schwannoma Overall Incidence	Total	4/50 (8%) 6/50 (12%) 25/250 (10%) 0/50 (0%) 0/50 (0%)	6/50 (12%) 6/50 (12%) Mean 10% 0/50 (0%) 1/50 (2%)	3/50 (6%) SD 2.83% 0/50 (0%)		10/50 (20%) 53/250 (21.2%) 0/50 (0%) 0/50 (0%)	9/50 (18%) Mean 21.2% 0/50 (0%) 0/50 (0%)	SD 8.56% 0/50 (0%)
Overall Incidence #All Organs: Malignant Schwannoma Overall Incidence #All Organs:	Total	4/50 (8%) 6/50 (12%) 25/250 (10%) 0/50 (0%) 0/50 (0%)	6/50 (12%) 6/50 (12%) Mean 10% 0/50 (0%) 1/50 (2%)	3/50 (6%) SD 2.83% 0/50 (0%)		10/50 (20%) 53/250 (21.2%) 0/50 (0%) 0/50 (0%)	9/50 (18%) Mean 21.2% 0/50 (0%) 0/50 (0%)	SD 8.56% 0/50 (0%)

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: INHALATION Vehicle: AIR

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			Male				Female	
#All Organs: Osteosarcoma or Osteoma	ı							
		0/50 (0%) 0/50 (0%)	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	0/250 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
*Adrenal Cortex: Adenoma								
		4/49 (8%) 3/50 (6%)	2/50 (4%) 0/50 (0%)	9/49 (18%)		1/50 (2%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/49 (0%)
Overall Incidence	Total	18/248 (7.26%)	Mean 7.31%	SD 6.88%	Total	2/249 (0.8%)	Mean 0.8%	SD 1.1%
*Adrenal Medulla: Pheochromocytoma Benig								
		0/49 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	1/48 (2%)		0/50 (0%) 2/50 (4%)	1/50 (2%) 1/50 (2%)	1/49 (2%)
Overall Incidence	Total	1/247 (0.4%)	Mean 0.42%	SD 0.93%	Total	5/249 (2.01%)	Mean 2.01%	SD 1.41%
*Adrenal Medulla: Pheochromocytoma Maligi	nant							
		0/49 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/48 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/49 (0%)
Overall Incidence	Total	0/247 (0%)	Mean 0%	SD 0%	Total	0/249 (0%)	Mean 0%	SD 0%
*Adrenal Medulla: Pheochromocytoma: Benig	gn, Complex	c, Malignant, NOS						
	- · •	0/49 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	1/48 (2%)		0/50 (0%) 2/50 (4%)	1/50 (2%) 1/50 (2%)	1/49 (2%)
Overall Incidence	Total	1/247 (0.4%)	Mean 0.42%	SD 0.93%	Total	5/249 (2.01%)	Mean 2.01%	SD 1.41%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: INHALATION Vehicle: AIR

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			Male				Female	
fBlood Vessel: Hemangioma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Blood Vessel: Hemangiosarcoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
Bone Marrow: Hemangiosarcoma				•••••				
		0/49 (0%) 0/50 (0%)	0/48 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/247 (0%)	Mean 0%	SD 0%	Total	0/249 (0%)	Mean 0%	SD 0%
Bone Marrow: Mast Cell Tumor Malignant								
		0/49 (0%) 1/50 (2%)	1/48 (2%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	2/247 (0.81%)	Mean 0.82%	SD 1.12%	Total	0/249 (0%)	Mean 0%	SD 0%
Bone Marrow: Sarcoma								
		0/49 (0%) 0/50 (0%)	0/48 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%)	1/50 (2%)
Overall Incidence	Total	0/247 (0%)	Mean 0%	SD 0%	Total	1/249 (0.4%)	Mean 0.4%	SD 0.89%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: INHALATION Vehicle: AIR

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			Male				Female	
#Bone: Fibroma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Bone: Hemangioma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Bone: Hemangiosarcoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Bone: Osteosarcoma								
		0/50 (0%) 0/50 (0%)	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	0/250 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Bone: Osteosarcoma or Osteoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: INHALATION Vehicle: AIR

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			Male					Female	
#Bone: Sarcoma									
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50	(0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	1/50 (2%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%		Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
Clitoral/Preputial Gland: Mast Cell Tumor									
		0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50	(0%)		0/48 (0%) 0/46 (0%)	0/47 (0%) 0/48 (0%)	0/44 (0%)
Overall Incidence	Total	0/249 (0%)	Mean 0%	SD 0%		Total	0/233 (0%)	Mean 0%	SD 0%
#Coagulating Gland: Granular Cell Tumor									
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50	(0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%		Total	0/250 (0%)	Mean 0%	SD 0%
#Coagulating Gland: Sarcoma									
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50	(0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%		Total	0/250 (0%)	Mean 0%	SD 0%
*Epididymis: Mast Cell Tumor		0/50 (00/)	0/40 (00%)	0/50	(00()				
		0/50 (0%) 0/50 (0%)	0/49 (0%) 0/50 (0%)	0/50	(0%)				
Overall Incidence	Total	0/249 (0%)	Mean 0%	SD 0%					

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: INHALATION Vehicle: AIR

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			Male				Female	
#Harderian Gland: Adenoma								
		6/50 (12%) 4/50 (8%)	3/50 (6%) 5/50 (10%)	7/50 (14%)		3/50 (6%) 1/50 (2%)	3/50 (6%) 2/50 (4%)	2/50 (4%)
Overall Incidence	Total	25/250 (10%)	Mean 10%	SD 3.16%	Total	11/250 (4.4%)	Mean 4.4%	SD 1.67%
#Harderian Gland: Carcinoma								
		1/50 (2%) 2/50 (4%)	0/50 (0%) 1/50 (2%)	5/50 (10%)		4/50 (8%) 3/50 (6%)	1/50 (2%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	9/250 (3.6%)	Mean 3.6%	SD 3.85%	Total	8/250 (3.2%)	Mean 3.2%	SD 3.63%
#Harderian Gland: Carcinoma or Adenoma								
		7/50 (14%) 6/50 (12%)	3/50 (6%) 6/50 (12%)	12/50 (24%)		7/50 (14%) 4/50 (8%)	4/50 (8%) 2/50 (4%)	2/50 (4%)
Overall Incidence	Total	34/250 (13.6%)	Mean 13.6%	SD 6.54%	Total	19/250 (7.6%)	Mean 7.6%	SD 4.1%
#Harderian Gland: Mast Cell Tumor								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Heart: Hemangiosarcoma								
		0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/250 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: INHALATION Vehicle: AIR

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			Male				Female	
fIntestine Large: Cecum: Leiomyosarcoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Intestine Small: Duodenum: Adenoma								
		2/50 (4%) 2/50 (4%)	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	5/250 (2%)	Mean 2%	SD 2%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
#Intestine Small: Duodenum: Carcinoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
fintestine Small: Duodenum: Polyp Adenomatous								
		0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/250 (0%)	Mean 0%	SD 0%
#Intestine Small: Ileum: Adenoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: INHALATION Vehicle: AIR

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			Male				Female	
#Intestine Small: Jejunum: Adenoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (09	%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Intestine Small: Jejunum: Carcinoma								
		1/50 (2%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (09	%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	2/250 (0.8%)	Mean 0.8%	SD 1.1%	Total	0/250 (0%)	Mean 0%	SD 0%
#Intestine Small: Jejunum: Leiomyosarcoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (09	%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Intestine Small: Jejunum: Mast Cell Tumor								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (09	%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Intestine Small: Site Unspec Adenoma								
		2/50 (4%) 2/50 (4%)	0/50 (0%) 0/50 (0%)	1/50 (29	%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	1/50 (2%)
Overall Incidence	Total	5/250 (2%)	Mean 2%	SD 2%	Total	2/250 (0.8%)	Mean 0.8%	SD 1.1%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: INHALATION Vehicle: AIR

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			Male				Female	
#Intestine Small: Site Uns Carcinoma	specified:							
		1/50 (2%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	2/250 (0.8%)	Mean 0.8%	SD 1.1%	Total	0/250 (0%)	Mean 0%	SD 0%
#Intestine Small: Site Uns Carcinoma or Adenoma	specified:							
		3/50 (6%) 2/50 (4%)	0/50 (0%) 1/50 (2%)	1/50 (2%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	1/50 (2%)
Overall Incidence	Total	7/250 (2.8%)	Mean 2.8%	SD 2.28%	Total	2/250 (0.8%)	Mean 0.8%	SD 1.1%
#Intestine Small: Site Uns Leiomyosarcoma	specified:							
		0/50 (0%) 0/50 (0%)	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	0/250 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Intestine Small: Site Uns Mast Cell Tumor								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Intestine Small: Site Uns Polyp Adenomatous								
		0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/250 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: INHALATION Vehicle: AIR

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			Male				Female	
Islets, Pancreatic:								
		0/49 (0%) 0/50 (0%)	0/48 (0%) 1/50 (2%)	2/50 (4%)		0/50 (0%) 0/50 (0%)	0/49 (0%) 0/50 (0%)	1/50 (2%)
Overall Incidence	Total	3/247 (1.21%)	Mean 1.2%	SD 1.79%	Total	1/249 (0.4%)	Mean 0.4%	SD 0.89%
'Islets, Pancreatic: Carcinoma								
		0/49 (0%) 0/50 (0%)	0/48 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/49 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/247 (0%)	Mean 0%	SD 0%	Total	0/249 (0%)	Mean 0%	SD 0%
*Islets, Pancreatic: Carcinoma or Adenoma								
		0/49 (0%) 0/50 (0%)	0/48 (0%) 1/50 (2%)	2/50 (4%)		0/50 (0%) 0/50 (0%)	0/49 (0%) 0/50 (0%)	1/50 (2%)
Overall Incidence	Total	3/247 (1.21%)	Mean 1.2%	SD 1.79%	Total	1/249 (0.4%)	Mean 0.4%	SD 0.89%
'Kidney: Renal Tubule: Adenoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/49 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%)
Overall Incidence	Total	0/249 (0%)	Mean 0%	SD 0%	Total	1/249 (0.4%)	Mean 0.4%	SD 0.89%
'Kidney: Renal Tubule: Carcinoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/49 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/249 (0%)	Mean 0%	SD 0%	Total	1/249 (0.4%)	Mean 0.4%	SD 0.89%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: INHALATION Vehicle: AIR

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			Male				Female	
Kidney: Renal Tubule: Carcinoma or Adenoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/49 (0%)	1/50 (2%) 1/50 (2%)	0/50 (0%)
Overall Incidence	Total	0/249 (0%)	Mean 0%	SD 0%	Total	2/249 (0.8%)	Mean 0.8%	SD 1.1%
Kidney: Renal Tubule: Hemangiosarcoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/249 (0%)	Mean 0%	SD 0%	Total	0/249 (0%)	Mean 0%	SD 0%
'Kidney: Renal Tubule: Mast Cell Tumor								
		0/50 (0%) 0/50 (0%)	0/49 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/249 (0%)	Mean 0%	SD 0%	Total	0/249 (0%)	Mean 0%	SD 0%
'Kidney: Renal Tubule: Renal Mesenchymal Tumor								
		0/50 (0%) 0/50 (0%)	0/49 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/49 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/249 (0%)	Mean 0%	SD 0%	Total	0/249 (0%)	Mean 0%	SD 0%
Liver: Cholangiocarcinoma								
		1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/250 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: INHALATION Vehicle: AIR

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			Male				Female	
Liver: Hemangioma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
^t Liver: Hemangiosarcoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Liver: Hepatoblastoma								
		2/50 (4%) 0/50 (0%)	1/50 (2%) 1/50 (2%)	0/50 (0%)		0/50 (0%) 1/50 (2%)	1/50 (2%) 0/50 (0%)	1/50 (2%)
Overall Incidence	Total	4/250 (1.6%)	Mean 1.6%	SD 1.67%	Total	3/250 (1.2%)	Mean 1.2%	SD 1.1%
Liver: Hepatocellular Adenoma								
		30/50 (60%) 23/50 (46%)	17/50 (34%) 25/50 (50%)	24/50 (48%)		11/50 (22%) 9/50 (18%)	6/50 (12%) 12/50 (24%)	14/50 (28%)
Overall Incidence	Total	119/250 (47.6%)	Mean 47.6%	SD 9.32%	Total	52/250 (20.8%)	Mean 20.8%	SD 6.1%
Liver: Hepatocellular Carcinoma								
-		15/50 (30%) 21/50 (42%)	17/50 (34%) 8/50 (16%)	11/50 (22%)		6/50 (12%) 7/50 (14%)	5/50 (10%) 7/50 (14%)	10/50 (20%)
Overall Incidence	Total	72/250 (28.8%)	Mean 28.8%	SD 10.16%	Total	35/250 (14%)	Mean 14%	SD 3.74%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Tumor Incidence for Selected Control Animal Groups
Route: INHALATION

Report Date: 07/01/2019

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Species: MICE Strain: B6C3F1/N

Vehicle: AIR

Length of Study: CHRONIC

			Male				Female	
*Liver: Hepatocellular Carcino	oma or Hepatobl	lastoma						
•	·	16/50 (32%) 21/50 (42%)	18/50 (36%) 9/50 (18%)	11/50 (22%)		6/50 (12%) 7/50 (14%)	6/50 (12%) 7/50 (14%)	10/50 (20%)
Overall Incidence	Total	75/250 (30%)	Mean 30%	SD 9.9%	Total	36/250 (14.4%)	Mean 14.4%	SD 3.29%
Liver: Hepatocellular Carcino	oma or Hepatoce	ellular Adenoma	•••••	•••••				
·	·	39/50 (78%) 34/50 (68%)	31/50 (62%) 30/50 (60%)	32/50 (64%)		14/50 (28%) 15/50 (30%)	11/50 (22%) 18/50 (36%)	20/50 (40%)
Overall Incidence	Total	166/250 (66.4%)	Mean 66.4%	SD 7.13%	Total	78/250 (31.2%)	Mean 31.2%	SD 7.01%
Liver: Hepatocellular Carcino Overall Incidence	oma, Hepatocell Total	ular Adenoma, or Hepatok 39/50 (78%) 34/50 (68%) 168/250 (67.2%)	32/50 (64%) 31/50 (62%) Mean 67.2%	32/50 (64%) SD 6.42%	Total	14/50 (28%) 15/50 (30%) 79/250 (31.6%)	12/50 (24%) 18/50 (36%) Mean 31.6%	20/50 (40%) SD 6.39%
Liver: Hepatocholangiocarcir	noma	1/50 (2%)	1/50 (2%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 5/250 (2%)	3/50 (6%) Mean 2%	SD 2.45%	Total	0/50 (0%) 1/250 (0.4%)	0/50 (0%) Mean 0.4%	SD 0.89%
Liver: Mast Cell Tumor								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1/N

Toxicology Data Management System

Contract/Lab: All Laboratories

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION
Vehicle: AIR

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Report Date: 07/01/2019

Length of Study: CHRONIC

Male **Female** *Lung: Alveolar/Bronchiolar Adenoma 10/50 (20%)5/50 (10%)5/50 (10%)1/50 (2%)3/50 (6%)1/50 (2%)6/50 (12%)11/50 (22%)(8%)5/50 (10%)**Overall Incidence** Total 37/250 (14.8%) Mean 14.8% SD 5.76% Total 14/250 (5.6%) Mean 5.6% SD 3.58% *Lung: Alveolar/Bronchiolar Carcinoma (8%) 4/50 5/50 (10%)8/50 (16%)2/50 (4%)3/50 (6%)(8%)10/50 (20%)6/50 (12%)5/50 (10%)0/50 (0%)**Overall Incidence** Total 33/250 (13.2%) Mean 13.2% SD 4.82% Total 14/250 (5.6%) Mean 5.6% SD 3.85% *Lung: Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma 13/50 (26%)9/50 (18%)13/50 (26%)3/50 6/50 (12%)4/50 (8%)14/50 (28%)17/50 (34%)(18%)5/50 (10%)**Overall Incidence** Total 66/250 (26.4%) Mean 26.4% SD 5.73% Total 27/250 (10.8%) Mean 10.8% SD 4.6% *Lung: Hemangiosarcoma 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)1/50 (2%)0/50 (0%)0/50 (0%)**Overall Incidence** Total 1/250 (0.4%) Mean 0.4% SD 0.89% Total 0/250 (0%) Mean 0% SD 0% *Lung: **Mast Cell Tumor** 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)**Overall Incidence** Total 0/250 (0%) Mean 0% SD 0% Total 0/250 (0%) Mean 0% SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: INHALATION Vehicle: AIR

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			Male				Female	
#Lymph Node: Hemangiosarcoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		1/50 (2%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	2/250 (0.8%)	Mean 0.8%	SD 1.1%
#Lymph Node: Mast Cell Tumor								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Lymph Node, Mandibular: Mast Cell Tumor								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Lymph Node, Mandibular: Mast Cell Tumor Malignant		•••••						
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Lymph Node, Mesenteric: Hemangioma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: INHALATION Vehicle: AIR

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			Male				Female	
#Lymph Node, Mesenteric: Hemangiosarcoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Lymph Node, Mesenteric: Mast Cell Tumor								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Lymph Node, Mesenteric: Mast Cell Tumor Malignant								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Mammary Gland: Adenoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
#Mammary Gland: Carcinoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%)		1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	2/50 (4%)
Overall Incidence	Total	1/250 (0.4%)	` '	SD 0.89%	Total	3/250 (1.2%)	Mean 1.2%	SD 1.79%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: INHALATION Vehicle: AIR

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			Male				Female	
#Mammary Gland: Carcinoma or Adenoma	ı							
		0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%)		1/50 (2%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	2/50 (4%)
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	4/250 (1.6%)	Mean 1.6%	SD 1.67%
#Mammary Gland: Fibroma, Fibroadenoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
	Total	0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%) Mean 0.4%	0/50 (0%) SD 0.89%	Total	1/50 (2%) 0/50 (0%)	1/50 (2%) 0/50 (0%) Mean 1.6%	2/50 (4%)
	Total	4/050 (0.40/)	Moon 0 40/	SD 0.80%	Total	4/OFO (4 CO/)	Mann 4 CO/	
	Total	1/250 (0.4%)				4/250 (1.6%)	wean 1.6%	SD 1.67%
	Total							
#Mesentery:	rotai	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	1/50 (2%)	Total	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
#Mesentery: Hemangioma	Total	0/50 (0%)	0/50 (0%)		Total	0/50 (0%)	0/50 (0%)	
#Mesentery: Hemangioma Overall Incidence		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	1/50 (2%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence #Mesentery:		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%)

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male				Female	
#Mesentery: Lipoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
#Mesentery: Sarcoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
*Nose: Adenoma								
		0/50 (0%) 0/49 (0%)	0/49 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/248 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Nose: Polyp								
		0/50 (0%) 0/49 (0%)	1/49 (2%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/248 (0.4%)	Mean 0.41%	SD 0.91%	Total	0/250 (0%)	Mean 0%	SD 0%
#Oral Cavity (Oral Mucos Papilloma Squamous o	sa, Tongue, Phar	ynx, Tooth, Gingiva):		•••••		•••••		
		0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/250 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male				Female	
Oral Cavity (Oral Mucos Squamous Cell Carcing		ynx, Tooth, Gingiva):						
•		0/50 (0%) 0/50 (0%)	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	0/250 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Oral Cavity (Oral Mucos	a, Tongue, Phar	Squamous, or Papilloma	0/50 (0%)	0/50 (09/)		0/50 (00/)	0/50 (09/)	0/50 (00/)
		0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/250 (0%)	Mean 0%	SD 0%
#Oral Mucosa: Squamous Cell Carcino	oma							
-		0/50 (0%) 0/50 (0%)	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	0/250 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Ovary: Cystadenocarcinoma								
						0/50 (0%) 0/50 (0%)	0/49 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence					Total	0/249 (0%)	Mean 0%	SD 0%
Ovary: Cystadenoma								
						1/50 (2%) 1/50 (2%)	0/49 (0%) 2/50 (4%)	2/50 (4%)
Overall Incidence					Total	6/249 (2.41%)	Mean 2.4%	SD 1.67%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR **Page:** 93

r	flale		Female	
Ovary:				,
Granulosa Cell Tumor Benign		0/50 (0%)	0/49 (0%)	1/50 (2%)
		1/50 (2%)	0/49 (0%)	1/30 (2/6)
Overall Incidence	Total	2/249 (0.8%)	Mean 0.8%	SD 1.1%
Ovary: Granulosa Cell Tumor Malignant				
		1/50 (2%)	0/49 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	` '
Overall Incidence	Total	1/249 (0.4%)	Mean 0.4%	SD 0.89%
'Ovary: Granulosa Cell Tumor: Benign, Malignant, NOS				
3 / 3 /		1/50 (2%)	0/49 (0%)	1/50 (2%)
		1/50 (2%)	0/50 (0%)	
Overall Incidence	Total	3/249 (1.2%)	Mean 1.2%	SD 1.1%
Ovary: Granulosa-Theca Tumor Malignant				
•		0/50 (0%)	1/49 (2%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	
Overall Incidence	Total	2/249 (0.8%)	Mean 0.81%	SD 1.11%
Ovary: Hemangioma				
ŭ		0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	, ,
Overall Incidence	Total	0/249 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1/N

Toxicology Data Management System

Contract/Lab: All Laboratories

Tumor Incidence for Selected Control Animal Groups

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Report Date: 07/01/2019

Route: INHALATION

Vehicle: AIR

Length of Study: CHRONIC

	Male			Female	
Ovary: Hemangiosarcoma			,		
· ·			1/50 (2%)	0/49 (0%)	0/50 (0%)
Overall Incidence		Total	0/50 (0%)	0/50 (0%)	CD 0.000/
		Total	1/249 (0.4%)	Mean 0.4%	SD 0.89%
Ovary: Luteoma					
			0/50 (0%)	0/49 (0%)	1/50 (2%)
Disput Incidence		Tatal	0/50 (0%)	2/50 (4%)	CD 4.700/
Overall Incidence		Total	3/249 (1.2%)	Mean 1.2%	SD 1.79%
Ovary: Sarcoma					
			0/50 (0%)	0/49 (0%)	0/50 (0%)
			0/50 (0%)	0/50 (0%)	
Overall Incidence		Total	0/249 (0%)	Mean 0%	SD 0%
Ovary: Thecoma Malignant					
-			0/50 (0%)	0/49 (0%)	0/50 (0%)
			0/50 (0%)	0/50 (0%)	
Overall Incidence		Total	0/249 (0%)	Mean 0%	SD 0%
Ovary: Tubulostromal Adenoma					
			0/50 (0%)	0/49 (0%)	0/50 (0%)
			0/50 (0%)	0/50 (0%)	
Overall Incidence		Total	0/249 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male				Female	
Pancreas: Mast Cell Tumor								
		0/49 (0%) 0/50 (0%)	0/48 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/247 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
*Parathyroid Gland: Adenoma								
		0/27 (0%) 0/28 (0%)	0/40 (0%) 0/36 (0%)	0/34 (0%)		0/27 (0%) 1/35 (3%)	0/38 (0%) 0/36 (0%)	0/26 (0%)
Overall Incidence	Total	0/165 (0%)	Mean 0%	SD 0%	Total	1/162 (0.62%)	Mean 0.57%	SD 1.28%
*Pituitary Gland: Pars Di Adenoma	stalis or Unspec	ified Site:						
		0/49 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		9/49 (18%) 8/48 (17%)	2/49 (4%) 4/50 (8%)	5/50 (10%)
Overall Incidence	Total	1/249 (0.4%)	Mean 0.4%	SD 0.89%	Total	28/246 (11.38%)	Mean 11.42%	SD 5.99%
*Pituitary Gland: Pars Di Carcinoma	stalis or Unspec	ified Site:						
		0/49 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/49 (0%) 3/48 (6%)	0/49 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/249 (0%)	Mean 0%	SD 0%	Total	3/246 (1.22%)	Mean 1.25%	SD 2.8%
*Pituitary Gland: Pars Di Carcinoma or Adenom	•	ified Site:						
		0/49 (0%)	0/50 (0%)	0/50 (0%)		9/49 (18%) 11/48 (23%)	2/49 (4%)	5/50 (10%)
		1/50 (2%)	0/50 (0%)			11/48 (23%)	4/50 (8%)	

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: INHALATION Vehicle: AIR

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			Male				Female	
Pituitary Gland: Pars Inte	ermedia:							
		0/49 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/49 (0%) 0/48 (0%)	0/49 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/249 (0%)	Mean 0%	SD 0%	Total	0/246 (0%)	Mean 0%	SD 0%
*Pituitary Gland: Pars Inte Carcinoma								
		0/49 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/49 (0%) 0/48 (0%)	1/49 (2%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/249 (0%)	Mean 0%	SD 0%	Total	1/246 (0.41%)	Mean 0.41%	SD 0.91%
*Pituitary Gland: Pars Inte Carcinoma or Adenoma	ermedia:							
		0/49 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/49 (0%) 0/48 (0%)	1/49 (2%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/249 (0%)	Mean 0%	SD 0%	Total	1/246 (0.41%)	Mean 0.41%	SD 0.91%
*Pituitary Gland: Pars Inte Schwannoma Malignan	ermedia:							
		0/49 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%)		0/49 (0%) 0/48 (0%)	0/49 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/249 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/246 (0%)	Mean 0%	SD 0%
*Prostate: Mast Cell Tumor								
		0/49 (0%) 0/50 (0%)	0/49 (0%) 0/50 (0%)	0/50 (0%)				
Overall Incidence	Total	0/248 (0%)	Mean 0%	SD 0%				

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: INHALATION Vehicle: AIR

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			Male				Female	
Salivary Glands: Adenoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/49 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/249 (0%)	Mean 0%	SD 0%
Salivary Glands: Carcinoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/49 (0%) 1/50 (2%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	1/249 (0.4%)	Mean 0.4%	SD 0.89%
Salivary Glands: Carcinoma or Adenoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/49 (0%) 1/50 (2%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	1/249 (0.4%)	1/50 (2%) Mean 0.4%	SD 0.89%
Salivary Glands: Hemangiosarcoma								
- -		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/49 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/249 (0%)	Mean 0%	SD 0%
Salivary Glands: Mast Cell Tumor								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/49 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/249 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: INHALATION Vehicle: AIR

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			Male				Female	
Salivary Glands: Myxosarcoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)	1/50 (2%) 0/50 (0%)	0/49 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	1/249 (0.4%)	Mean 0.4%	SD 0.89%
#Seminal Vesicle: Adenoma								
		1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%				
#Seminal Vesicle: Fibroma	•••••							
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%				
#Skeletal Muscle: Hemangiosarcoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Skeletal Muscle: Osteosarcoma								
		0/50 (0%) 0/50 (0%)	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	0/250 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male				Female	
#Skeletal Muscle: Rhabdomyosarcoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 2/50 (4%)	0/50 (0%)
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	2/250 (0.8%)	Mean 0.8%	SD 1.79%
#Skeletal Muscle: Rhabdomyosarcoma or R	habdomyoma							
		0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 2/50 (4%)	0/50 (0%)
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	2/250 (0.8%)	Mean 0.8%	SD 1.79%
#Skeletal Muscle: Sarcoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
Skin: Basal Cell Carcinoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
#Skin: Basal Cell Carcinoma or E	Basosquamous	Tumor (malignant or NO	OS)					
	•	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Strain: B6C3F1/N

Species: MICE

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

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Report Date: 07/01/2019

Route: INHALATION Vehicle: AIR

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Male **Female** #Skin: Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma 0/50 0/50 0/50 0/50 (0%)(2%)0/50 (0%)(0%)(0%)1/50 (0%)(0%)0/50 0/50 (0%)0/50 (0%)0/50 (0%)**Overall Incidence** Total 0/250 (0%) Mean 0% SD 0% Total 1/250 (0.4%) Mean 0.4% SD 0.89% #Skin: Basal or Sq. Cell Carcinoma, Carcinoma, Basosq, Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma 0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)1/50 (2%)1/50 (2%)0/50 (0%)0/50 (0%)(0%)0/50 0/50 (0%)**Overall Incidence** Total 0/250 (0%) Mean 0% SD 0% Total 2/250 (0.8%) Mean 0.8% SD 1.1% #Skin: **Fibroma** 0/50 0/50 0/50 (0%)(0%)0/50 (0%)(0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)**Overall Incidence** Total 0/250 (0%) Mean 0% SD 0% Total 0/250 (0%) Mean 0% SD 0% #Skin: Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, Malignant Fibrous Histiocytoma, or Hemangiopericytoma 0/50 (0%)0/50 (0%)0/50 (0%)2/50 (4%)0/50 (0%)0/50 (0%)(0%)1/50 (2%)1/50 (2%)0/50 1/50 (2%)**Overall Incidence** Total 2/250 (0.8%) Mean 0.8% SD 1.1% Total 3/250 (1.2%) Mean 1.2% SD 1.79% #Skin: Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Malignant Fibrous Histiocytoma 0/50 (0%)0/50 (0%)0/50 (0%)2/50 (4%)0/50 (0%)0/50 (0%)1/50 (2%)1/50 (2%)0/50 (0%)1/50 (2%)

SD 1.1%

3/250 (1.2%)

Total

Mean 1.2%

SD 1.79%

Total

2/250 (0.8%)

Mean 0.8%

Overall Incidence

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Tumor Incidence for Selected Control Animal Groups
Route: INHALATION

Report Date: 07/01/2019

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Species: MICE Strain: B6C3F1/N

Vehicle: AIR

Length of Study: CHRONIC

			Male			Female	
Skin: Fibrosarcoma							
		0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0 0/50 (0%)	%)	` '	0/50 (0%) 0/50 (0%)	0/50 (0%)
verall Incidence	Total	1/250 (0.4%)	Mean 0.4% SD 0.89%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
Skin: Fibrosarcoma, Sarcoma		a, or Malignant Fibrous Hi					
	, ,	0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0 1/50 (2%)	%)	` '	0/50 (0%) 1/50 (2%)	0/50 (0%)
verall Incidence	Total	2/250 (0.8%)	Mean 0.8% SD 1.1%	Total	(/	Mean 1.2%	SD 1.79%
Skin: Hemangioma							
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0 0/50 (0%)	%)	` '	0/50 (0%) 0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/250 (0%)	Mean 0% SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Skin: Hemangiosarcoma							
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0 2/50 (4%)	%)	` '	0/50 (0%) 0/50 (0%)	2/50 (4%)
verall Incidence	Total	2/250 (0.8%)	Mean 0.8% SD 1.79%	Total	3/250 (1.2%)	Mean 1.2%	SD 1.79%
Skin: Keratoacanthoma							
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0 0/50 (0%)	%)	` '	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0% SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: INHALATION Vehicle: AIR

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			Male				Female	
#Skin: Lipoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Skin: Liposarcoma								
		0/50 (0%) 0/50 (0%)	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	0/250 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Skin: Malignant Fibrous Histi								
-	•	0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%)		1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
#Skin: Melanoma Benign								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	1/50 (2%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/250 (0%)	Mean 0%	SD 0%
#Skin: Neurofibrosarcoma or \$	Schwannoma (n	nalignant or NOS)						
	·	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Tumor Incidence for Selected Control Animal Groups
Route: INHALATION

Report Date: 07/01/2019

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Species: MICE Strain: B6C3F1/N

Vehicle: AIR

Length of Study: CHRONIC

			Male				Female	
#Skin:		,						
Neurofibrosarcoma, Neuro	fibroma, or S	Schwannoma (benign, ma	lignant or NOS)					
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Skin: Osteosarcoma								
		0/50 (0%) 0/50 (0%)	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	0/250 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Skin: Pilomatrixoma								
		0/50 (0%) 0/50 (0%)	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	0/250 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Skin: Sarcoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
≴Skin: Schwannoma Malignant								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Strain: B6C3F1/N

Toxicology Data Management System

Vehicle: AIR

Contract/Lab: All Laboratories

Tumor Incidence for Selected Control Animal Groups Species: MICE Route: INHALATION

Length of Study: CHRONIC

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Report Date: 07/01/2019

			Male				Female	
#Skin: Squamous Cell Carcino or Carcinoma	oma, Basal Cell (Carcinoma, Basosquamou	s Tumor (malignant or NOS	5),				
		0/50 (0%)	` '	/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)			0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/250 (0%)	Mean 0% SD	0%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
#Skin: Squamous Cell Papillo	oma							
		0/50 (0%)	()	/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)	0/50 (0%)		-	0/50 (0%)	0/50 (0%)	OD 0.000/
Overall Incidence	Total	0/250 (0%)	Mean 0% SD	0%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
#Skin: Squamous Cell Papillo	oma or Papilloma	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/ 0/50 (0%)	/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	1/50 (2%)
Overall Incidence	Total	0/250 (0%)	` '	0%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
#Skin: Squamous Cell Papillo	oma, Papilloma, S	Squamous Cell Carcinoma	or Keratoacanthoma					
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/ 0/50 (0%)	/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	1/50 (2%)
Overall Incidence	Total	0/250 (0%)	, ,	0%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%
#Skin: Squamous Cell Papillo	oma, Papilloma, o	or Keratoacanthoma						
·	- '	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/ 0/50 (0%)	/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	1/50 (2%)
Overall Incidence	Total	0/250 (0%)	Mean 0% SD	0%	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: INHALATION Vehicle: AIR

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			Male				Female	
#Spinal Cord: Schwannoma Malignant								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
'Spleen: Hemangiosarcoma								
		2/49 (4%) 0/49 (0%)	0/48 (0%) 1/50 (2%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	1/50 (2%)
Overall Incidence	Total	3/246 (1.22%)	Mean 1.22%	SD 1.82%	Total	2/250 (0.8%)	Mean 0.8%	SD 1.1%
#Stomach, Forestomach: Mast Cell Tumor Malignant								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	SD 0%
#Stomach, Forestomach: Squamous Cell Carcinoma								
·		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Stomach, Forestomach: Squamous Cell Carcinoma								
	•	1/50 (2%) 1/50 (2%)	0/50 (0%) 1/50 (2%)	0/50 (0%)		1/50 (2%) 1/50 (2%)	0/50 (0%) 1/50 (2%)	0/50 (0%)
Overall Incidence	Total	3/250 (1.2%)	Mean 1.2%	SD 1.1%	Total	3/250 (1.2%)	Mean 1.2%	SD 1.1%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: INHALATION Vehicle: AIR

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			Male				Female	
Stomach, Forestomach: Squamous Cell Papilloma								
		1/50 (2%) 1/50 (2%)	0/50 (0%) 1/50 (2%)	0/50 (0%	b)	1/50 (2%) 1/50 (2%)	0/50 (0%) 1/50 (2%)	0/50 (0%)
Overall Incidence	Total	3/250 (1.2%)	Mean 1.2%	SD 1.1%	Total	3/250 (1.2%)	Mean 1.2%	SD 1.1%
≠Stomach, Glandular: Adenoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%	b)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Stomach, Glandular: Carcinoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	1/50 (2%	b)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/250 (0%)	Mean 0%	SD 0%
Stomach, Glandular: Carcinoma or Adenoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	1/50 (2%	b)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/250 (0%)	Mean 0%	SD 0%
Testis: Adenoma								
		0/49 (0%) 0/50 (0%)	0/49 (0%) 0/50 (0%)	0/50 (0%	b)			
Overall Incidence	Total	0/248 (0%)	Mean 0%	SD 0%				

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: INHALATION Vehicle: AIR

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			Male				Female	
*Testis: Hemangioma								
		0/49 (0%) 0/50 (0%)	0/49 (0%) 0/50 (0%)	0/50 (0%)				
Overall Incidence	Total	0/248 (0%)	Mean 0%	SD 0%				
*Thymus: Thymoma Benign								
		0/41 (0%) 0/44 (0%)	0/43 (0%) 0/48 (0%)	0/41 (0%)		0/47 (0%) 0/48 (0%)	0/47 (0%) 0/50 (0%)	0/44 (0%)
Overall Incidence	Total	0/217 (0%)	Mean 0%	SD 0%	Total	0/236 (0%)	Mean 0%	SD 0%
*Thymus: Thymoma NOS		•••••						
•		0/41 (0%) 0/44 (0%)	0/43 (0%) 0/48 (0%)	0/41 (0%)		1/47 (2%) 0/48 (0%)	0/47 (0%) 0/50 (0%)	0/44 (0%)
Overall Incidence	Total	0/217 (0%)	Mean 0%	SD 0%	Total	1/236 (0.42%)	Mean 0.43%	SD 0.95%
*Thymus: Thymoma: Benign, Malig		•••••						
		0/41 (0%) 0/44 (0%)	0/43 (0%) 0/48 (0%)	0/41 (0%)		1/47 (2%) 0/48 (0%)	0/47 (0%) 0/50 (0%)	0/44 (0%)
Overall Incidence	Total	0/217 (0%)	Mean 0%	SD 0%	Total	1/236 (0.42%)	Mean 0.43%	SD 0.95%
*Thyroid Gland: C-Cell: Adenoma								
		0/49 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/48 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/249 (0%)	Mean 0%	SD 0%	Total	0/248 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups
Route: INHALATION

Species: MICE
Strain: B6C3F1/N

Vehicle: AIR

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			Male				Female	
Thyroid Gland: C-Cell: Carcinoma								
		0/49 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/48 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/249 (0%)	Mean 0%	SD 0%	Total	1/248 (0.4%)	Mean 0.4%	SD 0.89%
Thyroid Gland: C-Cell: Carcinoma or Adenoma								
		0/49 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/48 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/249 (0%)	Mean 0%	SD 0%	Total	1/248 (0.4%)	Mean 0.4%	SD 0.89%
Thyroid Gland: Follicular Ce Adenoma	ell:							
		0/49 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/48 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/249 (0%)	Mean 0%	SD 0%	Total	1/248 (0.4%)	Mean 0.4%	SD 0.89%
Thyroid Gland: Follicular Ce Carcinoma or Adenoma	ell:		•••••					
		0/49 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/48 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/249 (0%)	Mean 0%	SD 0%	Total	1/248 (0.4%)	Mean 0.4%	SD 0.89%
#Tongue: Squamous Cell Carcinoma	or Papillom	a Squamous						
	-	0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/250 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Strain: B6C3F1/N

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male				Female	
fTongue: Squamous Cell Papilloma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/250 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/250 (0%)	Mean 0%	SD 0%
#Tooth: Odontoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
Urinary Bladder: Hemangiosarcoma								
		0/50 (0%) 0/50 (0%)	0/49 (0%) 0/50 (0%)	1/50 (2%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/249 (0.4%)	Mean 0.4%	SD 0.89%	Total	0/250 (0%)	Mean 0%	SD 0%
Urinary Bladder: Mast Cell Tumor								
		0/50 (0%) 0/50 (0%)	0/49 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/249 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Uterus: Adenoma								
						0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence					Total	0/250 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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	Male		Female	
#Uterus: Fibroma				,
		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	, ,
Overall Incidence	Tota	` '	Mean 0%	SD 0%
#Uterus: Granular Cell Tumor Benign				
-		1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	
Overall Incidence	Tota	1/250 (0.4%)	Mean 0.4%	SD 0.89%
#Uterus: Hemangioma				
		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	
Overall Incidence	Tota	l 0/250 (0%)	Mean 0%	SD 0%
#Uterus: Hemangiosarcoma				
		1/50 (2%)	0/50 (0%)	1/50 (2%)
		1/50 (2%)	1/50 (2%)	
Overall Incidence	Tota	l 4/250 (1.6%)	Mean 1.6%	SD 0.89%
#Uterus: Leiomyoma				
•		0/50 (0%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)	0/50 (0%)	
Overall Incidence	Tota	l 1/250 (0.4%)	Mean 0.4%	SD 0.89%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male				Female	
#Uterus: Polyp Stromal								
						4/50 (8%) 1/50 (2%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence					Total	5/250 (2%)	Mean 2%	SD 3.46%
#Uterus: Sarcoma Stromal								
						0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence					Total	0/50 (0%) 0/250 (0%)	0/50 (0%) Mean 0%	SD 0%
#Uterus: Sarcoma Stromal or Poly Overall Incidence	yp Stromal				Total	4/50 (8%) 1/50 (2%) 5/250 (2%)	0/50 (0%) 0/50 (0%) Mean 2%	0/50 (0%) SD 3.46%
#Zymbal's Gland: Carcinoma		0/50 (00/)	0/50 (00/)	0/50 (00/)		0/50 (00/)	0/50 (00/)	0/50 (00/)
		0/50 (0%) 0/50 (0%)	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	0/250 (0%)	Mean 0%	SD 0%	Total	0/250 (0%)	Mean 0%	SD 0%
#Zymbal's Gland: Carcinoma or Adenoma								
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/250 (0%)	0/30 (0%) Mean 0%	SD 0%	Total	0/30 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: ORAL Vehicle: FEED Page: 112

Report Date: 07/01/2019

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	051026002	07/16/10	727	49(1)	34(691)	47.6	2-Hydroxy-4-methoxybenzophenone
					Female		
Battelle Columbus Laboratory	051026002	07/15/10	726	50(4)	42(716)	54.7	2-Hydroxy-4-methoxybenzophenone

Strain: B6C3F1/N

Species: MICE

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

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Report Date: 07/01/2019

Route: ORAL Vehicle: FEED

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Male **Female** #All Organs: **Benign Tumors** 28/49 (57%)17/50 (34%)**Overall Incidence** Total 28/49 (57.14%) Mean 57.14% SD 0% Total 17/50 (34%) Mean 34% SD 0% #All Organs: **Malignant Tumors** 19/49 (39%)11/50 (22%)**Overall Incidence** Total 19/49 (38.78%) Mean 38.78% SD 0% Total 11/50 (22%) Mean 22% SD 0% #All Organs: **Malignant and Benign Tumors** 37/49 (76%)25/50 (50%)Overall Incidence Total 37/49 (75.51%) Mean 75.51% SD 0% Total 25/50 (50%) Mean 50% SD 0% #All Organs: Hemangioma 1/49 (2%)2/50 (4%)**Overall Incidence** Total 1/49 (2.04%) Mean 2.04% SD 0% Total 2/50 (4%) Mean 4% SD 0% **#All Organs:** Hemangiosarcoma 1/49 (2%)0/50 (0%)**Overall Incidence** Total 1/49 (2.04%) Mean 2.04% SD 0% Total 0/50 (0%) Mean 0% SD 0% **#All Organs:** Hemangiosarcoma or Hemangioma 2/49 (4%)2/50 (4%)**Overall Incidence** Total 2/49 (4.08%) Mean 4.08% SD 0% Total 2/50 (4%) Mean 4% SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Strain: B6C3F1/N

Species: MICE

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

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Report Date: 07/01/2019

Route: ORAL Vehicle: FEED

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Male Female #All Organs: **Histiocytic Sarcoma** 0/49 (0%)1/50 (2%)**Overall Incidence** Total 0/49 (0%) Mean 0% SD 0% Total 1/50 (2%) Mean 2% SD 0% #All Organs: Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type 5/50 (10%) **Overall Incidence** Total 3/49 (6.12%) Mean 6.12% SD 0% Total 5/50 (10%) Mean 10% SD 0% #All Organs: **Malignant Schwannoma** 0/49 (0%)0/50 (0%)Overall Incidence Total 0/49 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% #All Organs: Osteosarcoma 0/49 (0%)0/50 (0%)**Overall Incidence** Total 0/49 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% **#All Organs:** Osteosarcoma or Osteoma 0/49 (0%)0/50 (0%)Overall Incidence Total 0/49 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% *Adrenal Cortex: Adenoma 1/48 (2%)0/50 (0%)**Overall Incidence** Total 1/48 (2.08%) Mean 2.08% SD 0% Total Mean 0% SD 0% 0/50 (0%)

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 115

			Male				Female	
*Adrenal Medulla: Pheochromocytoma Benig	n	1/48 (2%)				0/50 (0%)		
Overall Incidence	Total	1/48 (2.08%)	Mean 2.08%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Adrenal Medulla: Pheochromocytoma Maligr	nant					•••••		
Overall Incidence	Total	0/48 (0%) 0/48 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Adrenal Medulla: Pheochromocytoma: Beniç						0/50 (0%)		
Overall Incidence	Total	1/48 (2.08%)	Mean 2.08%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Blood Vessel: Hemangioma		0/49 (0%)				0/50 (0%)		
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Blood Vessel: Hemangiosarcoma		0/49 (0%)				0/50 /00/		
Overall Incidence	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Bone Marrow: Hemangiosarcoma								
Overall Incidence	Total	0/47 (0%) 0/47 (0%)	Mean 0%	SD 0%	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED **Page:** 116

			Male				Female	
*Bone Marrow: Mast Cell Tumor Malignant	t	1/47 (2%)				0/49 (0%)		
Overall Incidence	Total	1/47 (2%) 1/47 (2.13%)	Mean 2.13%	SD 0%	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%
*Bone Marrow: Sarcoma								
Overall Incidence	Total	0/47 (0%) 0/47 (0%)	Mean 0%	SD 0%	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%
#Bone: Fibroma								
Overall Incidence	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Bone: Hemangioma		0/49 (0%)				0/50 (0%)		
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Bone: Hemangiosarcoma								
Overall Incidence	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Bone: Osteosarcoma								
Overall Incidence	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 117

			Male				Female	
#Bone: Osteosarcoma or Osteoma	a	0/49 (0%)				0/50 (0%)		
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Bone: Sarcoma		0/49 (0%)				0/50 (0%)		
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Clitoral/Preputial Gland: Mast Cell Tumor		0/49 (0%)				0/50 (0%)		
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Coagulating Gland: Granular Cell Tumor Overall Incidence	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
Overall incidence	ı olal	0/49 (0%)		SD 0%	ı olal	0/50 (0%)	iviean 0%	3D 0%
#Coagulating Gland: Sarcoma		0/49 (0%)				0/50 (0%)		
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Epididymis: Mast Cell Tumor		0/49 (0%)						
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%				

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1/N

Toxicology Data Management System

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Report Date: 07/01/2019

Contract/Lab: All Laboratories Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED

Length of Study: CHRONIC

			Male			Female			
#Harderian Gland: Adenoma									
		6/49 (12%)				1/50 (2%)			
Overall Incidence	Total	6/49 (12.24%)	Mean 12.24%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%	
#Harderian Gland: Carcinoma		1/49 (2%)				1/50 (2%)			
Overall Incidence	Total	1/49 (2.04%)	Mean 2.04%	SD 0%	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%	
#Harderian Gland: Carcinoma or Adenoma					•••••	•••••			
		7/49 (14%)				2/50 (4%)			
Overall Incidence	Total	7/49 (14.29%)	Mean 14.29%	SD 0%	Total	2/50 (4%)	Mean 4%	SD 0%	
#Harderian Gland: Mast Cell Tumor						0/50 (00/)			
Overall Incidence	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
*Heart: Hemangiosarcoma									
_		0/49 (0%)				0/50 (0%)			
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Intestine Large: Cecum: Leiomyosarcoma									
		0/49 (0%)				0/50 (0%)			
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: ORAL Vehicle: FEED Page: 119 Report Date: 07/01/2019

Mean 0%

SD 0%

Male **Female** #Intestine Small: Duodenum: Adenoma 0/49 (0%)0/50 (0%)0/49 (0%) **Overall Incidence** Total Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% #Intestine Small: Duodenum: Carcinoma 0/49 (0%)0/50 (0%)**Overall Incidence** Total 0/49 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% #Intestine Small: Duodenum: **Polyp Adenomatous** 0/49 (0%)0/50 (0%)**Overall Incidence** Total 0/49 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% #Intestine Small: Ileum: Adenoma 0/49 (0%)0/50 (0%)**Overall Incidence** Total 0/49 (0%) Mean 0% SD 0% Total Mean 0% SD 0% 0/50 (0%) #Intestine Small: Jejunum: Adenoma 0/49 (0%)0/50 (0%)**Overall Incidence** Total 0/49 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% #Intestine Small: Jejunum: Carcinoma 0/49 (0%)0/50 (0%)

SD 0%

Total

0/50 (0%)

Total

0/49 (0%)

Mean 0%

Overall Incidence

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: ORAL Vehicle: FEED Page: 120

			Male				Female	
#Intestine Small: Jejunum: Leiomyosarcoma								
Overall Incidence	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Intestine Small: Jejunum: Mast Cell Tumor								
Overall Incidence	Total	0/49 (0%) 0/49 (0%)	%) Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Intestine Small: Site Unspec Adenoma	ified:							
Overall Incidence	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Intestine Small: Site Unspec Carcinoma						0/50 (00/)		
Overall Incidence	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Intestine Small: Site Unspec Carcinoma or Adenoma					•••••		•••••	
Overall Incidence	Total	0/49 (0%) 0/49 (0%)	%) Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Intestine Small: Site Unspec Leiomyosarcoma						0/50 (00/)		
Overall Incidence	Total	0/49 (0%) 0/49 (0%)	%) Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 121

			Male				Female			
#Intestine Small: Site Unspe Mast Cell Tumor	ecified:									
		0/49 (0%)				0/50 (0%)				
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
#Intestine Small: Site Unspe Polyp Adenomatous	ecified:									
Overall Incidence	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
*Islets, Pancreatic: Adenoma										
		1/47 (2%)				0/49 (0%)				
Overall Incidence	Total	1/47 (2.13%)	Mean 2.13%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%		
*Islets, Pancreatic: Carcinoma		0/47 (0%)				0/49 (0%)				
Overall Incidence	Total	0/47 (0%)	Mean 0%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%		
*Islets, Pancreatic: Carcinoma or Adenoma										
		1/47 (2%)				0/49 (0%)				
Overall Incidence	Total	1/47 (2.13%)	Mean 2.13%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%		
*Kidney: Renal Tubule: Adenoma										
Overall Insidence	Tatal	0/48 (0%)	Mana 00/	CD 00/	Tatal	0/49 (0%)	Maan 00/	CD 00/		
Overall Incidence	Total	0/48 (0%)	Mean 0%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%		

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE
Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 122

				Male				Female	
*Kidney: Renal Tubule: Carcinoma									
			(0%)				0/49 (0%)		
Overall Incidence	Total	0/48 (0%)		Mean 0%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%
*Kidney: Renal Tubule: Carcinoma or Adenoma									
			(0%)				0/49 (0%)		
Overall Incidence	Total	0/48 (0%)		Mean 0%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%
*Kidney: Renal Tubule: Hemangiosarcoma		2/12	(224)				242		
Overall Incidence	Total		(0%)	Maan Oll	CD 00/	Total	0/49 (0%)	Maan 00/	SD 0%
		0/48 (0%)		Mean 0%	SD 0%	Total	0/49 (0%)	Mean 0%	טט ט%
*Kidney: Renal Tubule: Mast Cell Tumor		0/40	(00()				0/40 (00/)		
Overall Incidence	Total	0/48 (0%)	(0%)	Mean 0%	SD 0%	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%
*Kidney: Renal Tubule: Renal Mesenchymal Tumor									
			(0%)				0/49 (0%)		
Overall Incidence	Total	0/48 (0%)		Mean 0%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%
*Liver: Cholangiocarcinoma		242	(224)						
Overell Insidence	Tatal		(0%)	Mann 00/	CD 00/	Tatal	0/50 (0%)	Mana 00/	CD 00/
Overall Incidence	Total	0/49 (0%)		Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 123

			Male				Female	
*Liver: Hemangioma		0/49 (0%)				1/50 (2%)		
Overall Incidence	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%
*Liver: Hemangiosarcoma		0/49 (0%)				0/50 (0%)		
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Liver: Hepatoblastoma								
Overall Incidence	Total	1/49 (2%) 1/49 (2.04%)	Mean 2.04%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
		, ,				, ,		/-
*Liver: Hepatocellular Adenoma		21/49 (43%)				3/50 (6%)		
Overall Incidence	Total	21/49 (42.86%)	Mean 42.86%	SD 0%	Total	3/50 (6%)	Mean 6%	SD 0%
*Liver: Hepatocellular Carcinoma								
Overall Incidence	Total	8/49 (16%) 8/49 (16.33%)	Mean 16.33%	SD 0%	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%
······		0/40 (10.0070)				1/50 (2/0)	Wicaii 270	
*Liver: Hepatocellular Carcinoma o	or Hepatobl							
	.	8/49 (16%)	10.000/	00.007	+	1/50 (2%)		00.00/
Overall Incidence	Total	8/49 (16.33%)	Mean 16.33%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

*Liver:

*Liver:

*Liver:

*Liver:

*Lung:

Overall Incidence

Toxicology Data Management System

Page: 124

Report Date: 07/01/2019

SD 0%

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED

Length of Study: CHRONIC Male **Female** Hepatocellular Carcinoma or Hepatocellular Adenoma 26/49 (53%)4/50 (8%) **Overall Incidence** Total 26/49 (53.06%) Mean 53.06% SD 0% Total 4/50 (8%) Mean 8% SD 0% Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma 26/49 (53%) 4/50 (8%) **Overall Incidence** Total 26/49 (53.06%) SD 0% Total 4/50 (8%) Mean 8% SD 0% Mean 53.06% Hepatocholangiocarcinoma 1/49 (2%)0/50 (0%)**Overall Incidence** Total 1/49 (2.04%) Mean 2.04% SD 0% Total 0/50 (0%) Mean 0% SD 0% **Mast Cell Tumor** 0/49 (0%)0/50 (0%)**Overall Incidence** Total 0/49 (0%) Mean 0% SD 0% Total Mean 0% SD 0% 0/50 (0%) Alveolar/Bronchiolar Adenoma 7/49 (14%) 5/50 (10%) Overall Incidence Total 7/49 (14.29%) Mean 14.29% SD 0% Total 5/50 (10%) Mean 10% SD 0%

SD 0%

0/50

0/50 (0%)

Total

(0%)

Mean 0%

Total

5/49

5/49 (10.2%)

(10%)

Mean 10.2%

Alveolar/Bronchiolar Carcinoma

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1/N

Toxicology Data Management System

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Report Date: 07/01/2019

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Male **Female** *Lung: Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma 11/49 (22%)5/50 (10%)**Overall Incidence** Total 11/49 (22.45%) Mean 22.45% SD 0% Total 5/50 (10%) Mean 10% SD 0% *Lung: Hemangiosarcoma 0/49 (0%)0/50 (0%)**Overall Incidence** Total 0/49 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% *Lung: **Mast Cell Tumor** 0/49 (0%)0/50 (0%)**Overall Incidence** Total 0/49 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% #Lymph Node: Hemangiosarcoma 0/49 (0%)0/50 (0%)**Overall Incidence** Total 0/49 (0%) Mean 0% SD 0% Total Mean 0% SD 0% 0/50 (0%) **#Lymph Node: Mast Cell Tumor** 0/49 (0%)0/50 (0%)**Overall Incidence** Total 0/49 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% #Lymph Node, Mandibular: **Mast Cell Tumor** 0/49 (0%)0/50 (0%)**Overall Incidence** Total 0/49 (0%) Mean 0% SD 0% Total Mean 0% SD 0% 0/50 (0%)

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: ORAL Vehicle: FEED Page: 126 Report Date: 07/01/2019

				Male			Female	Female		
#Lymph Node, Mandibular: Mast Cell Tumor Malignant		0/49 (0	0/)			0/50	(0%)			
Overall Incidence	Total	0/49 (0%)	Mean	0% SD 0	% Total	0/50 (0%)	` '	SD 0%		
#Lymph Node, Mesenteric: Hemangioma		0/49 (0	0/ \			0/50	(0%)			
Overall Incidence	Total	0/49 (0%)	Mean	0% SD 0	% Total	0/50 (0%)	` '	SD 0%		
#Lymph Node, Mesenteric: Hemangiosarcoma		0/49 (0	%)			0/50	(0%)			
Overall Incidence	Total	0/49 (0%)	Mean	0% SD 0	% Total	0/50 (0%)	` '	SD 0%		
#Lymph Node, Mesenteric: Mast Cell Tumor		0/49 (0	0 <u>/</u> \			0/50	(0%)			
Overall Incidence	Total	0/49 (0%)	Mean	0% SD 0	% Total	0/50 (0%)	` '	SD 0%		
#Lymph Node, Mesenteric: Mast Cell Tumor Malignant		0/49 (0	0/\			0/50	(/00/.)			
Overall Incidence	Total	0/49 (0%)	Mean	0% SD 0	% Total	0/50 (0%	(0%))	SD 0%		
#Mammary Gland: Adenoma										
Overall Incidence	Total	0/49 (0%)	%) Mean	0% SD 0	% Total		(2%))	SD 0%		

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Strain: B6C3F1/N

Species: MICE

Toxicology Data Management System

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Report Date: 07/01/2019

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Male **Female** #Mammary Gland: Carcinoma 1/49 (2%)0/50 (0%)**Overall Incidence** Total 1/49 (2.04%) Mean 2.04% SD 0% Total 0/50 (0%) Mean 0% SD 0% #Mammary Gland: Carcinoma or Adenoma 1/49 (2%)1/50 (2%)**Overall Incidence** Total 1/49 (2.04%) Mean 2.04% SD 0% Total 1/50 (2%) Mean 2% SD 0% #Mammary Gland: Fibroma, Fibroadenoma or Adenoma 0/49 (0%)1/50 (2%)Overall Incidence Total 0/49 (0%) Mean 0% SD 0% Total 1/50 (2%) Mean 2% SD 0% #Mammary Gland: Fibroma, Fibroadenoma, Carcinoma, or Adenoma 1/49 (2%)1/50 (2%)**Overall Incidence** Total 1/49 (2.04%) Mean 2.04% SD 0% Total 1/50 (2%) Mean 2% SD 0% #Mesentery: Hemangioma 0/49 (0%)0/50 (0%)**Overall Incidence** Total 0/49 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% #Mesentery: Hemangiosarcoma 0/49 (0%)0/50 (0%)**Overall Incidence** Total 0/49 (0%) Mean 0% SD 0% Total 0/50 (0%) SD 0% Mean 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE
Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 128

			Male			Female		
#Mesentery: Lipoma								
Overall Incidence	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Mesentery: Sarcoma								
Overall Incidence	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%
*Nose: Adenoma		0/40 (09/)				0/50 (09/)		
Overall Incidence	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Nose: Polyp		0/49 (0%)				0/50 (0%)		
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Oral Cavity (Oral Mucos	sa, Tongue, Phary							
Overall Incidence	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Oral Cavity (Oral Mucos Squamous Cell Carcing	sa, Tongue, Phary							
Overall Incidence	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1/N

Toxicology Data Management System

Contract/Lab: All Laboratories Tumor Incidence for Selected Control Animal Groups

> Route: ORAL Vehicle: FEED

Length of Study: CHRONIC

Page: 129

			Male				Female	
#Oral Cavity (Oral Mucosa Squamous Cell Carcinor						0/50 (0%)		
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Oral Mucosa: Squamous Cell Carcinor	na	0/49 (0%)				0/50 (0%)		
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Ovary: Cystadenocarcinoma						0/40 /00/)		
Overall Incidence					Total	0/48 (0%) 0/48 (0%)	Mean 0%	SD 0%
*Ovary: Cystadenoma						4/48 (8%)		
Overall Incidence					Total	4/48 (8.33%)	Mean 8.33%	SD 0%
*Ovary: Granulosa Cell Tumor B	enign							
Overall Incidence					Total	0/48 (0%) 0/48 (0%)	Mean 0%	SD 0%
*Ovary: Granulosa Cell Tumor M	alignant					(201)		
Overall Incidence					Total	0/48 (0%) 0/48 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Version: Apr2019 Contract/Lab: All Laboratories

Species: MICE

Strain: B6C3F1/N

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED

Length of Study: CHRONIC

Vehicle: FEED

Page: 130

	Male		Female	
*Ovary: Granulosa Cell Tumor: Benign, Malignant, NOS				
		0/48 (0%)		
Overall Incidence	Total	0/48 (0%)	Mean 0%	SD 0%
*Ovary:				
Granulosa-Theca Tumor Malignant		2/12 (22/)		
Overall Incidence	Tatal	0/48 (0%)	Mann 00/	CD 00/
Overall Incidence	Total	0/48 (0%)	Mean 0%	SD 0%
*Ovary:				
Hemangioma				
Occasilla d'Accas	Total	1/48 (2%)	Maran 0 000/	00.00/
Overall Incidence	Total	1/48 (2.08%)	Mean 2.08%	SD 0%
*Ovary:				
Hemangiosarcoma				
Overall Incidence	Tatal	0/48 (0%)	Mann 00/	CD 00/
Overall Incidence	Total	0/48 (0%)	Mean 0%	SD 0%
*Ovary:				
Luteoma				
		0/48 (0%)		
Overall Incidence	Total	0/48 (0%)	Mean 0%	SD 0%
*Ovary:				
Sarcoma				
		0/48 (0%)		
Overall Incidence	Total	0/48 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Tumor Incidence for Selected Control Animal Groups

Report Date: 07/01/2019

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Species: MICE Strain: B6C3F1/N Route: ORAL Vehicle: FEED

Length of Study: CHRONIC

			Male		Female			
*Ovary: Thecoma Malignant								
•						0/48 (0%)		
Overall Incidence					Total	0/48 (0%)	Mean 0%	SD 0%
*Ovary: Tubulostromal Adenoma	1							
						0/48 (0%)		
Overall Incidence					Total	0/48 (0%)	Mean 0%	SD 0%
*Pancreas: Mast Cell Tumor								
		0/49 (0%)				0/49 (0%)		
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%
*Parathyroid Gland: Adenoma								
		0/32 (0%)				0/21 (0%)		
Overall Incidence	Total	0/32 (0%)	Mean 0%	SD 0%	Total	0/21 (0%)	Mean 0%	SD 0%
*Pituitary Gland: Pars Dista								
		0/45 (0%)				0/47 (0%)		
Overall Incidence	Total	0/45 (0%)	Mean 0%	SD 0%	Total	0/47 (0%)	Mean 0%	SD 0%
*Pituitary Gland: Pars Dista Carcinoma		fied Site:						
		0/45 (0%)				0/47 (0%)		
Overall Incidence	Total	0/45 (0%)	Mean 0%	SD 0%	Total	0/47 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1/N

Toxicology Data Management System

Contract/Lab: All Laboratories

Tumor Incidence for Selected Control Animal Groups

Vehicle: FEED

Route: ORAL

Page: 132

Report Date: 07/01/2019

Length of Study: CHRONIC

			0/45 (0%) 15 (0%) Mean 0% SD 0% Total 0/45 (0%)				Female		
*Pituitary Gland: Pars Dis	•	fied Site:							
		0/45 (0%)				0/47 (0%)			
Overall Incidence	Total	0/45 (0%)	Mean 0%	SD 0%	Total	0/47 (0%)	Mean 0%	SD 0%	
*Pituitary Gland: Pars Into	ermedia:								
		0/45 (0%)				1/47 (2%)			
Overall Incidence	Total	0/45 (0%)			Total	1/47 (2.13%)	Mean 2.13%	SD 0%	
*Pituitary Gland: Pars Inte Carcinoma									
		0/45 (0%)				0/47 (0%)			
Overall Incidence	Total	0/45 (0%)	Mean 0%	SD 0%	Total	0/47 (0%)	Mean 0%	SD 0%	
*Pituitary Gland: Pars Into Carcinoma or Adenoma									
		0/45 (0%)				1/47 (2%)			
Overall Incidence	Total	0/45 (0%)	Mean 0%	SD 0%	Total	1/47 (2.13%)	Mean 2.13%	SD 0%	
*Pituitary Gland: Pars Into	ermedia:								
		0/45 (0%)				0/47 (0%)			
Overall Incidence	Total	0/45 (0%)	Mean 0%	SD 0%	Total	0/47 (0%)	Mean 0%	SD 0%	
*Prostate: Mast Cell Tumor									
		0/49 (0%)							
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%					

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 133

			Male				Female	
*Salivary Glands: Adenoma								
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%
		0/49 (0%)			ı Olal	0/49 (0%)	wiean 0%	
*Salivary Glands: Carcinoma								
		0/49 (0%)		05 00/		0/49 (0%)	••	05 00/
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%
*Salivary Glands: Carcinoma or Adenoma		0/49 (0%)				0/49 (0%)		
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%
*Salivary Glands: Hemangiosarcoma		0/49 (0%)		OD 00/	T-1-1	0/49 (0%)	M 00/	OD 00/
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%
*Salivary Glands: Mast Cell Tumor								
		0/49 (0%)				0/49 (0%)		
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%
*Salivary Glands: Myxosarcoma		0/49 (0%)				0/49 (0%)		
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1/N

Toxicology Data Management System

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Report Date: 07/01/2019

Contract/Lab: All Laboratories Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED

Length of Study: CHRONIC

Male **Female #Seminal Vesicle:** Adenoma 0/49 (0%)0/49 (0%) **Overall Incidence** Total Mean 0% SD 0% **#Seminal Vesicle: Fibroma** 0/49 (0%)**Overall Incidence** Total 0/49 (0%) Mean 0% SD 0% **#Skeletal Muscle:** Hemangiosarcoma 0/49 (0%)0/50 (0%)**Overall Incidence** Total 0/49 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% **#Skeletal Muscle:** Osteosarcoma 0/49 (0%)0/50 (0%)SD 0% **Overall Incidence** Total 0/49 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% **#Skeletal Muscle:** Rhabdomyosarcoma 0/49 (0%)1/50 (2%)**Overall Incidence** Total 0/49 (0%) Mean 0% SD 0% Total 1/50 (2%) Mean 2% SD 0% **#Skeletal Muscle:** Rhabdomyosarcoma or Rhabdomyoma 0/49 (0%)1/50 (2%)**Overall Incidence** Total 0/49 (0%) Mean 0% SD 0% Total 1/50 (2%) Mean 2% SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Tumor Incidence for Selected Control Animal Groups

Report Date: 07/01/2019

Page: 135

Species: MICE Strain: B6C3F1/N Route: ORAL Vehicle: FEED

Length of Study: CHRONIC

			Male				Female	
#Skeletal Muscle: Sarcoma								
		0/49 (0%)				1/50 (2%)		
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
#Skin: Basal Cell Carcinoma								
		0/49 (0%)				0/50 (0%)		
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skin: Basal Cell Carcinoma o	or Basosquamou	s Tumor (malignant or N	NOS)					
		0/49 (0%)	,			0/50 (0%)		
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skin:	Basal Cell Adenc	oma, Basosquamous Tu						
		0/49 (0%)				0/50 (0%)		
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
		a, Basosq. Tumor (M or ratoacanthoma, Trichoe 0/49 (0%)		ma,		0/50 (0%)		
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skin: Fibroma		0/40 /02/				0/50 (00/)		
Overell Incidence	Tatal	0/49 (0%)	Mana 00/	CD 00/	Tatal	0/50 (0%)	Mana 00/	CD 00/
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1/N

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

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Report Date: 07/01/2019

Route: ORAL Vehicle: FEED

Length of Study: CHRONIC

Contract/Lab: All Laboratories

		Male				Female	
Sarcoma, Myxc	oma, Myxosarcoma, Mal	ignant Fibrous Histic	ocytoma, or				
	0/49 (0%)				0/50 (0%)		
Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
				•••••	•••••		
our comu, myxe	0/49 (0%)	manghant ribrodo rii	onooy toma		0/50 (0%)		
Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
	0/40 (09/)						
Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
	, or Malignant Fibrous H				0/50 (0%)		
Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
	0/49 (0%)				0/50 (0%)		
Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
Total	` '	Moon 0%	SD 00/	Total	` '	Moon 0%	SD 0%
	Total Sarcoma, Myxo Total Total Myxosarcoma Total Total	O/49 (0%) Total	Sarcoma, Myxoma, Myxosarcoma, Malignant Fibrous Histic 0/49 (0%) Total 0/49 (0%) Mean 0% Sarcoma, Myxoma, Myxosarcoma, or Malignant Fibrous History 0/49 (0%) Total 0/49 (0%) Mean 0% Myxosarcoma, or Malignant Fibrous Histiocytoma 0/49 (0%) Total 0/49 (0%) Myxosarcoma, or Malignant Fibrous Histiocytoma 0/49 (0%) Total 0/49 (0%) Mean 0% 0/49 (0%) Total 0/49 (0%) Mean 0%	Sarcoma, Myxoma, Myxosarcoma, Malignant Fibrous Histiocytoma, or			

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE
Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 137

			Male				Female	
#Skin: Keratoacanthoma								
Overall Incidence	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Skin: Lipoma								
Overall Incidence	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Skin: Liposarcoma		0/49 (0%)				0/50 (0%)		
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skin: Malignant Fibrous Histi		0/49 (0%)				0/50 (0%)		
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skin: Melanoma Benign								
Overall Incidence	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Skin: Neurofibrosarcoma or \$	Schwannoma (m	alignant or NOS) 0/49 (0%)				0/50 (0%)		
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Strain: B6C3F1/N

Species: MICE

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Page: 138

Report Date: 07/01/2019

Route: ORAL Vehicle: FEED

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Male **Female** #Skin: Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS) 0/49 (0%)0/50 (0%)0/49 (0%) **Overall Incidence** Total Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% #Skin: Osteosarcoma 0/49 (0%)0/50 (0%)**Overall Incidence** Total 0/49 (0%) Mean 0% SD 0% Total 0/50 (0%) SD 0% Mean 0% #Skin: Pilomatrixoma 0/49 (0%)0/50 (0%)**Overall Incidence** Total 0/49 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% #Skin: Sarcoma 0/49 (0%)0/50 (0%)**Overall Incidence** Total 0/49 (0%) Mean 0% SD 0% Total Mean 0% SD 0% 0/50 (0%) #Skin: Schwannoma Malignant 0/49 (0%)0/50 (0%)**Overall Incidence** Total 0/49 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma 0/49 (0%)0/50 (0%)0/49 (0%) Mean 0% **Overall Incidence** Total Mean 0% SD 0% Total 0/50 (0%) SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Strain: B6C3F1/N

Species: MICE

Toxicology Data Management System

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Report Date: 07/01/2019

Contract/Lab: All Laboratories Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED

Length of Study: CHRONIC

Male **Female** #Skin: **Squamous Cell Papilloma** 0/49 (0%)0/50 (0%)0/49 (0%) **Overall Incidence** Total Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% #Skin: Squamous Cell Papilloma or Papilloma 0/49 (0%)0/50 (0%)**Overall Incidence** 0/49 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% Total #Skin: Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma 0/49 (0%)0/50 (0%)**Overall Incidence** 0/49 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% Total #Skin: Squamous Cell Papilloma, Papilloma, or Keratoacanthoma 0/49 0/50 (0%)**Overall Incidence** Total 0/49 (0%) Mean 0% SD 0% Total Mean 0% SD 0% 0/50 (0%) **#Spinal Cord: Schwannoma Malignant** 0/49 (0%)0/50 (0%)Overall Incidence Total 0/49 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% *Spleen: Hemangiosarcoma 1/48 (2%)0/49 (0%)**Overall Incidence** Total 1/48 (2.08%) Mean 2.08% SD 0% SD 0% Total 0/49 (0%) Mean 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: ORAL Vehicle: FEED Page: 140

			Male				Female	
#Stomach, Forestomach: Mast Cell Tumor Malignant								
Overall Incidence	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Stomach, Forestomach: Squamous Cell Carcinoma		0/49 (0%)				0/50 (0%)		
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Stomach, Forestomach: Squamous Cell Carcinoma of Overall Incidence	or Papillom Total	na Squamous 2/49 (4%) 2/49 (4.08%)	Mean 4.08%	SD 0%	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%
#Stomach, Forestomach: Squamous Cell Papilloma Overall Incidence	Total	,	Mean 4.08%	SD 0%	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%
#Stomach, Glandular: Adenoma		0/49 (0%)				1/50 (2%)		
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
#Stomach, Glandular: Carcinoma		0/49 (0%)				0/50 (0%)		
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Strain: B6C3F1/N

Species: MICE

Toxicology Data Management System

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Report Date: 07/01/2019

Contract/Lab: All Laboratories Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED

Length of Study: CHRONIC

Male **Female** #Stomach, Glandular: Carcinoma or Adenoma 0/49 (0%)1/50 (2%)0/49 (0%) **Overall Incidence** Total Mean 0% SD 0% Total 1/50 (2%) Mean 2% SD 0% *Testis: Adenoma 0/49 (0%)**Overall Incidence** Total 0/49 (0%) Mean 0% SD 0% *Testis: Hemangioma 1/49 (2%)**Overall Incidence** Total 1/49 (2.04%) Mean 2.04% SD 0% *Thymus: Thymoma Benign 0/45 (0%)0/48 (0%)**Overall Incidence** SD 0% Total 0/45 (0%) Mean 0% SD 0% Total 0/48 (0%) Mean 0% *Thymus: Thymoma NOS 0/45 (0%)0/48 (0%)**Overall Incidence** Total 0/45 (0%) Mean 0% SD 0% Total 0/48 (0%) Mean 0% SD 0% *Thymus: Thymoma: Benign, Malignant, NOS 0/45 (0%)0/48 (0%)**Overall Incidence** Total 0/45 (0%) Mean 0% SD 0% Total 0/48 (0%) Mean 0% SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories Tumor Incidence

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Page: 142

				Male				Female		
*Thyroid Gland: C-Cell: Adenoma										
			(0%)				0/48 (0%)			
Overall Incidence	Total	0/49 (0%)		Mean 0%	SD 0%	Total	0/48 (0%)	Mean 0%	SD 0%	
*Thyroid Gland: C-Cell: Carcinoma										
			(0%)				0/48 (0%)			
Overall Incidence	Total	0/49 (0%)		Mean 0%	SD 0%	Total	0/48 (0%)	Mean 0%	SD 0%	
*Thyroid Gland: C-Cell: Carcinoma or Adenoma		0/49	(0%)				0/48 (0%)			
Overall Incidence	Total	0/49 (0%)	(078)	Mean 0%	SD 0%	Total	0/48 (0%)	Mean 0%	SD 0%	
*Thyroid Gland: Follicular Cel Adenoma Overall Incidence			(0%)	Mean 0%	SD 0%	Total	1/48 (2%) 1/48 (2.08%)	Mean 2.08%	SD 0%	
*Thyroid Gland: Follicular Cel Carcinoma or Adenoma										
Overall Incidence	Total	0/49	(0%)	Mean 0%	SD 0%	Total	1/48 (2%) 1/48 (2.08%)	Mean 2.08%	SD 0%	
#Tongue: Squamous Cell Carcinoma	or Papilloma	•	(0%)				0/50 (0%)			
Overall Incidence	Total	0/49 (0%)		Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE
Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: FEED Report Date: 07/01/2019

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	Male					Female			
#Tongue: Squamous Cell Papilloma		0/49 (0%)				0/50 (0%)			
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Tooth: Odontoma		0/49 (0%)				0/50 (0%)			
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Urinary Bladder: Hemangiosarcoma									
Overall Incidence	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
*Urinary Bladder: Mast Cell Tumor		0/49 (0%)				0/50 (0%)			
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Uterus: Adenoma									
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
#Uterus: Fibroma						(20)			
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: ORAL Vehicle: FEED Page: 144

	Male		Female			
#Uterus: Granular Cell Tumor Benign						
Overall Incidence		Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
#Uterus: Hemangioma						
Overall Incidence		Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
#Uterus: Hemangiosarcoma			(00)			
Overall Incidence		Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
#Uterus: Leiomyoma						
Overall Incidence		Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
#Uterus: Polyp Stromal						
Overall Incidence		Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%	
#Uterus: Sarcoma Stromal						
Overall Incidence		Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Overall Incidence

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

0/49 (0%)

Mean 0%

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Page: 145

Mean 0%

Report Date: 07/01/2019

SD 0%

Route: ORAL Vehicle: FEED

Male **Female #Uterus:** Sarcoma Stromal or Polyp Stromal 1/50 (2%)1/50 (2%) SD 0% **Overall Incidence** Total Mean 2% #Zymbal's Gland: Carcinoma 0/49 (0%)0/50 (0%)**Overall Incidence** Total 0/49 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% #Zymbal's Gland: Carcinoma or Adenoma 0/49 (0%)0/50 (0%)

SD 0%

Total

0/50 (0%)

Total

......

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: ORAL Vehicle: WATER Page: 146

Report Date: 07/01/2019

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	050303804	01/17/12	730	50(1)	26(683)	54.6	Sodium Tungstate Dihydrate
					Female		
Battelle Columbus Laboratory	050303804	01/16/12	729	50(4)	38(700)	61.6	Sodium Tungstate Dihydrate

Species: MICE

Strain: B6C3F1/N

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Page: 147

Report Date: 07/01/2019

Route: ORAL Vehicle: WATER

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male			Female				
#All Organs: Benign Tumors										
		31/50 (62%)				20/50 (40%)				
Overall Incidence	Total	31/50 (62%)	Mean 62%	SD 0%	Total	20/50 (40%)	Mean 40%	SD 0%		
#All Organs: Malignant Tumors		20/50 (00%)				45/50 /200/				
Overall Incidence	Total	30/50 (60%) 30/50 (60%)	Mean 60%	SD 0%	Total	15/50 (30%) 15/50 (30%)	Mean 30%	SD 0%		
#All Organs: Malignant and Benign T										
		42/50 (84%)				32/50 (64%)				
Overall Incidence	Total	42/50 (84%)	Mean 84%	SD 0%	Total	32/50 (64%)	Mean 64%	SD 0%		
#All Organs: Hemangioma		1/50 (2%)				0/50 (0%)				
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
#All Organs: Hemangiosarcoma										
		5/50 (10%)				1/50 (2%)				
Overall Incidence	Total	5/50 (10%)	Mean 10%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%		
#All Organs: Hemangiosarcoma or H	emangioma									
		6/50 (12%)				1/50 (2%)				
Overall Incidence	Total	6/50 (12%)	Mean 12%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%		

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1/N

Toxicology Data Management System

Page: 148

Report Date: 07/01/2019

Contract/Lab: All Laboratories Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER

Length of Study: CHRONIC

			Male				Female			
#All Organs: Histiocytic Sarcoma		1/50 (2%)				2/50 (4%)				
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	2/50 (4%)	Mean 4%	SD 0%		
#All Organs: Malignant Lymphoma: Histi	ocytic, Lym	phocytic, Mixed, NOS, or 5/50 (10%)	Undifferentiated Ce	II Туре		4/50 (8%)				
Overall Incidence	Total	5/50 (10%)	Mean 10%	SD 0%	Total	4/50 (8%)	Mean 8%	SD 0%		
#All Organs: Malignant Schwannoma		1/50 (2%)				0/50 (0%)				
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
#All Organs: Osteosarcoma		0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
#All Organs: Osteosarcoma or Osteoma		0/50 (00/)				0/50 (00/)				
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
*Adrenal Cortex: Adenoma										
Overall Incidence	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER **Page:** 149

			Male			Female						
*Adrenal Medulla: Pheochromocytoma Benign 0/49 (0%) 0/50 (0%)												
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%				
*Adrenal Medulla: Pheochromocytoma Malig	nant					(00)						
Overall Incidence	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%				
*Adrenal Medulla: Pheochromocytoma: Beni	gn, Complex,	Malignant, NOS 0/49 (0%)	25		0/50 (0%)						
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%				
#Blood Vessel: Hemangioma Overall Incidence	Total	0/50 (0% 0/50 (0%)) Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%				
#Blood Vessel: Hemangiosarcoma		0/50 (0%)			0/50 (0%)						
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%				
*Bone Marrow: Hemangiosarcoma		2/50 (4%)			0/48 (0%)						
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%	Total	0/48 (0%)	Mean 0%	SD 0%				

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: ORAL Vehicle: WATER **Page:** 150

				Male			Female			
*Bone Marrow: Mast Cell Tumor Malignant										
Overall Incidence	Total	1/50 (2 1/50 (2%)	2%) Mea	n 2%	SD 0%	Total	0/48 (0%) 0/48 (0%)	Mean 0%	SD 0%	
			wica					······		
*Bone Marrow: Sarcoma										
Overall Incidence	Total	0/50 (0 0/50 (0%)	0%) Maa	n 0%	SD 0%	Total	0/48 (0%) 0/48 (0%)	Mean 0%	SD 0%	
Overall incluence			iviea			ı olal	0/46 (0%)			
#Bone: Fibroma										
Overall Incidence	Tatal	,	0%)	- 00/	CD 00/	Tatal	0/50 (0%)	Maan 00/	CD 00/	
Overall Incidence	Total	0/50 (0%)		n 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Bone: Hemangioma		-1								
Overall Incidence	Total	0/50 (0%)		n 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
#Bone: Hemangiosarcoma										
-			2%)				0/50 (0%)			
Overall Incidence	Total	1/50 (2%)	Mea	n 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Bone: Osteosarcoma										
Overall Incidence	Total	,	0%) Mea	n 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
Overall Incidence	Total	0/50 (0%)	,	n 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER Page: 151

				Male			Female			
#Bone: Osteosarcoma or Osteoma	a									
			(0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)		Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Bone: Sarcoma										
			(0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)		Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Clitoral/Preputial Gland: Mast Cell Tumor		0/49	(0%)				0/49 (0%)			
Overall Incidence	Total	0/49 (0%)	(070)	Mean 0%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%	
#Coagulating Gland: Granular Cell Tumor		0/50	(0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)		Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Coagulating Gland: Sarcoma										
		0/50	(0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)		Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Epididymis: Mast Cell Tumor		0/50	(0%)							
Overall Incidence	Total	0/50 (0%)	(- / - /)	Mean 0%	SD 0%					

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER Page: 152

			Male			Female			
#Harderian Gland: Adenoma		2/50 (4%)				1/50 (2%)			
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%	
#Harderian Gland: Carcinoma		1/50 (2%)				0/50 (0%)			
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Harderian Gland: Carcinoma or Adenoma		3/50 (6%)				1/50 (2%)			
Overall Incidence	Total	3/50 (6%)	Mean 6%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%	
#Harderian Gland: Mast Cell Tumor		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Heart: Hemangiosarcoma	••••								
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
#Intestine Large: Cecum: Leiomyosarcoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: ORAL Vehicle: WATER Page: 153

				Male			Female			
#Intestine Small: Duodenum: Adenoma										
		,	0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	M	ean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Intestine Small: Duodenum: Carcinoma										
		,	0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	М	ean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Intestine Small: Duodenum: Polyp Adenomatous		0/50 /6	204)				0/50 (00/)			
Overall Incidence	Tatal	,	0%)	00/	CD 00/	Tatal	0/50 (0%)	Mana 00/	CD 00/	
Overall incidence	Total	0/50 (0%)		ean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Intestine Small: Ileum: Adenoma		2/22 //					2(22)			
Overall Incidence	Total	0/50 (0 0/50 (0%)	0%) M	ean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
#Intestine Small: Jejunum: Adenoma										
		,	0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	M	ean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Intestine Small: Jejunum: Carcinoma		0/50 /5	204)				0/50 (00/)			
Overall Incidence	Total	,	O%)	ean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
Overall incidence	Total	0/50 (0%)	IVI	tan U%	שט ט%	Total	0/50 (0%)	iviean 0%	טט ט%	

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER **Page:** 154

			Male				Female			
#Intestine Small: Jejunum: Leiomyosarcoma	:									
		0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
#Intestine Small: Jejunum: Mast Cell Tumor	:									
		0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
#Intestine Small: Site Unsp Adenoma	pecified:									
		0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
#Intestine Small: Site Unsp Carcinoma	pecified:									
		0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
#Intestine Small: Site Unsp Carcinoma or Adenoma										
		0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
#Intestine Small: Site Unsp Leiomyosarcoma	pecified:									
		0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1/N

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Page: 155

Report Date: 07/01/2019

Route: ORAL Vehicle: WATER

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Male **Female** #Intestine Small: Site Unspecified: **Mast Cell Tumor** 0/50 (0%)0/50 (0%)**Overall Incidence** Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% #Intestine Small: Site Unspecified: **Polyp Adenomatous** 0/50 (0%)0/50 (0%)**Overall Incidence** Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% *Islets, Pancreatic: Adenoma 1/47 (2%)0/48 (0%)**Overall Incidence** Total 1/47 (2.13%) Mean 2.13% SD 0% Total 0/48 (0%) Mean 0% SD 0% *Islets, Pancreatic: Carcinoma 0/47 (0%)0/48 (0%)**Overall Incidence** Total 0/47 (0%) Mean 0% SD 0% Total 0/48 (0%) Mean 0% SD 0% *Islets, Pancreatic: Carcinoma or Adenoma 1/47 (2%)0/48 (0%)**Overall Incidence** Total 1/47 (2.13%) Mean 2.13% SD 0% Total 0/48 (0%) Mean 0% SD 0% *Kidney: Renal Tubule: Adenoma 0/50 (0%)0/50 (0%)**Overall Incidence** Total 0/50 (0%) Mean 0% SD 0% SD 0% Total 0/50 (0%) Mean 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER Page: 156

				Male			Female			
*Kidney: Renal Tubule: Carcinoma		0/50	(00()				0/50 (00/)			
Overall Incidence	Total	0/50 0/50 (0%)	(0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
*Kidney: Renal Tubule: Carcinoma or Adenoma		0/50	(0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	(070)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Kidney: Renal Tubule: Hemangiosarcoma		1/50	(2%)				0/50 (0%)			
Overall Incidence	Total	1/50 (2%)	` ,	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Kidney: Renal Tubule: Mast Cell Tumor Overall Incidence		0/50	(0%)				0/50 (0%)		SD 0%	
Overall incidence	Total	0/50 (0%)		Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	3D 0%	
*Kidney: Renal Tubule: Renal Mesenchymal Tumor		0/50	(0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	(0 /0)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
*Liver: Cholangiocarcinoma		1/50	(2%)				0/50 (0%)			
Overall Incidence	Total	1/50 (2%)	(= /0)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1/N

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Page: 157

Report Date: 07/01/2019

Route: ORAL

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Vehicle: WATER

			Male		Female			
*Liver: Hemangioma		1/50 (2%)				0/50 (0%)		
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Liver: Hemangiosarcoma		2/50 (4%)				0/50 (0%)		
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Liver: Hepatoblastoma		4/50 (8%)				0/50 (0%)		
Overall Incidence	Total	4/50 (8%)	Mean 8%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Liver: Hepatocellular Adenoma		26/50 (52%)				11/50 (22%)		
Overall Incidence	Total	26/50 (52%)	Mean 52%	SD 0%	Total	11/50 (22%)	Mean 22%	SD 0%
*Liver: Hepatocellular Carcinoma								
Overall Incidence	Total	15/50 (30%) 15/50 (30%)	Mean 30%	SD 0%	Total	2/50 (4%) 2/50 (4%)	Mean 4%	SD 0%
*Liver: Hepatocellular Carcinoma o						` '		
Overall Incidence	Total	17/50 (34%)	Mean 34%	SD 0%	Total	2/50 (4%)	Mean 4%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1/N

Toxicology Data Management System

Contract/Lab: All Laboratories Tumor Incidence for Selected Control Animal Groups

Route: ORAL

Page: 158

Report Date: 07/01/2019

Length of Study: CHRONIC

Vehicle: WATER

			Male			Female						
*Liver: Hepatocellular Carcinoma or Hepatocellular Adenoma 33/50 (66%) Overall Incidence Total 33/50 (66%) Mean 66% SD 0% Total 13/50 (26%) Mean 26% SD 0%												
Overall Incidence	Total	33/50 (66%)	Mean 66%	SD 0%	Total	13/50 (26%)	Mean 26%	SD 0%				
*Liver: Hepatocellular Carcino	ma, Hepatocellu	ılar Adenoma, or Hepatol	olastoma									
		34/50 (68%)				13/50 (26%)						
Overall Incidence	Total	34/50 (68%)	Mean 68%	SD 0%	Total	13/50 (26%)	Mean 26%	SD 0%				
*Liver: Hepatocholangiocarcir	noma	0/50 (00/)				0/50 (00/)						
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%				
	TOTAL			30 0%		0/30 (0 /0)						
*Liver: Mast Cell Tumor		0/50 (0%)				0/50 (0%)						
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%				
*Lung: Alveolar/Bronchiolar A	denoma											
		5/50 (10%)				2/50 (4%)						
Overall Incidence	Total	5/50 (10%)	Mean 10%	SD 0%	Total	2/50 (4%)	Mean 4%	SD 0%				
*Lung: Alveolar/Bronchiolar C	arcinoma	2/50 (4%)				2/50 (4%)						
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%	Total	2/50 (4%)	Mean 4%	SD 0%				

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE
Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER **Page:** 159

			Male				Female	
*Lung: Alveolar/Bronchiolar Car	cinoma or Alve	eolar/Bronchiolar Adenoi 7/50 (14%)	ma			4/50 (8%)		
Overall Incidence	Total	7/50 (14%)	Mean 14%	SD 0%	Total	4/50 (8%)	Mean 8%	SD 0%
*Lung: Hemangiosarcoma								
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Lung: Mast Cell Tumor		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Lymph Node: Hemangiosarcoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Lymph Node: Mast Cell Tumor		•••••				•••••		
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Lymph Node, Mandibular: Mast Cell Tumor		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER Page: 160

			Male				Female	
#Lymph Node, Mandibular: Mast Cell Tumor Malignant								
• " " " " " " " " " " " " " " " " " " "	.	1/50 (2%)		05.00/		0/50 (0%)		OD 207
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Lymph Node, Mesenteric: Hemangioma								
Overall Incidence	Total	0/50 (0%)	Maan 00/	CD 00/	Total	0/50 (0%)	Maan 00/	SD 0%
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Lymph Node, Mesenteric: Hemangiosarcoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Lymph Node, Mesenteric: Mast Cell Tumor		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Lymph Node, Mesenteric: Mast Cell Tumor Malignant								
		1/50 (2%)		05.00/		0/50 (0%)		25
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Mammary Gland: Adenoma								
		0/50 (0%)		05.00/		0/50 (0%)		25
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER Page: 161

				Male				Female	
#Mammary Gland: Carcinoma									
Overall Incidence	Total	0/50 0/50 (0%)	(0%)	Mean 0%	SD 0%	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%
#Mammary Gland: Carcinoma or Adenoma		0/50	(00()				4/50 /00/		
Overall Incidence	Total	0/50 (0%)	(0%)	Mean 0%	SD 0%	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%
#Mammary Gland: Fibroma, Fibroadenoma			(0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	` ,	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Mammary Gland: Fibroma, Fibroadenoma,		Adenoma	(0%)				1/50 (2%)		
Overall Incidence	Total	0/50 (0%)		Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
#Mesentery: Hemangioma		0/50	(0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	(070)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Mesentery: Hemangiosarcoma									
Overall Incidence	Total	1/50 1/50 (2%)	(2%)	Mean 2%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1/N

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Vehicle: WATER

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			Male				Female	
#Mesentery: Lipoma		2/22 (224)				(20)		
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Mesentery: Sarcoma								
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Nose: Adenoma								
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Nose: Polyp		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Oral Cavity (Oral Mucos	sa, Tongue, Phary							
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%
#Oral Cavity (Oral Mucos Squamous Cell Carcine	sa, Tongue, Phary	nx, Tooth, Gingiva):						
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Strain: B6C3F1/N

Species: MICE

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Male **Female #Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):** Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma 0/50 (0%)1/50 (2%)0/50 (0%) **Overall Incidence** Total Mean 0% SD 0% Total 1/50 (2%) Mean 2% SD 0% **#Oral Mucosa: Squamous Cell Carcinoma** 0/50 (0%)0/50 (0%)**Overall Incidence** Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% *Ovary: Cystadenocarcinoma 0/49 (0%)Overall Incidence Total 0/49 (0%) Mean 0% SD 0% *Ovary: Cystadenoma

*Ovary: Granulosa Cell Tumor Benign

0/49 (0%)

 Overall Incidence
 Total
 0/49 (0%)
 Mean 0%
 SD 0%

Ovary:

Overall Incidence

Granulosa Cell Tumor Malignant

0/49 (0%)

3/49

3/49 (6.12%)

Total

(6%)

Mean 6.12%

SD 0%

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Report Date: 07/01/2019

 Overall Incidence
 Total
 0/49 (0%)
 Mean 0%
 SD 0%

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1/N

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

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Mean 0%

SD 0%

Report Date: 07/01/2019

Route: ORAL Vehicle: WATER

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Male **Female** *Ovary: Granulosa Cell Tumor: Benign, Malignant, NOS 0/49 (0%)SD 0% **Overall Incidence** Total 0/49 (0%) Mean 0% *Ovary: **Granulosa-Theca Tumor Malignant** 0/49 (0%)**Overall Incidence** Total 0/49 (0%) Mean 0% SD 0% *Ovary: Hemangioma 0/49 (0%)**Overall Incidence** Total 0/49 (0%) Mean 0% SD 0% *Ovary: Hemangiosarcoma 0/49 (0%)**Overall Incidence** SD 0% Total 0/49 (0%) Mean 0% *Ovary: Luteoma 1/49 (2%)**Overall Incidence** Total 1/49 (2.04%) Mean 2.04% SD 0% *Ovary: Sarcoma 0/49 (0%)**Overall Incidence**

Total

0/49 (0%)

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Strain: B6C3F1/N

Species: MICE

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

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Report Date: 07/01/2019

Route: ORAL Vehicle: WATER

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Male **Female** *Ovary: **Thecoma Malignant** 0/49 (0%)**Overall Incidence** Total 0/49 (0%) Mean 0% SD 0% *Ovary: **Tubulostromal Adenoma** 0/49 (0%)**Overall Incidence** Total 0/49 (0%) Mean 0% SD 0% *Pancreas: **Mast Cell Tumor** 0/50 (0%)0/50 (0%)**Overall Incidence** Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% *Parathyroid Gland: Adenoma 0/44 (0%)0/45 (0%)**Overall Incidence** Total 0/44 (0%) Mean 0% SD 0% Total 0/45 (0%) Mean 0% SD 0% *Pituitary Gland: Pars Distalis or Unspecified Site: Adenoma 0/48 (0%)2/50 (4%)**Overall Incidence** Total 0/48 (0%) Mean 0% SD 0% Total 2/50 (4%) Mean 4% SD 0% *Pituitary Gland: Pars Distalis or Unspecified Site: Carcinoma 0/48 (0%)0/50 (0%)**Overall Incidence** Total 0/48 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

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Report Date: 07/01/2019

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER

Length of Study: CHRONIC Male Female *Pituitary Gland: Pars Distalis or Unspecified Site: Carcinoma or Adenoma 0/48 (0%)2/50 (4%)0/48 (0%) **Overall Incidence** Total Mean 0% SD 0% Total 2/50 (4%) Mean 4% SD 0% *Pituitary Gland: Pars Intermedia: Adenoma 0/48 (0%)0/50 (0%)**Overall Incidence** Total 0/48 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% *Pituitary Gland: Pars Intermedia: Carcinoma 0/48 (0%)0/50 (0%)Overall Incidence Total 0/48 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% *Pituitary Gland: Pars Intermedia: Carcinoma or Adenoma 0/48 (0%)0/50 (0%)**Overall Incidence** Total 0/48 (0%) Mean 0% SD 0% Total Mean 0% SD 0% 0/50 (0%) *Pituitary Gland: Pars Intermedia: **Schwannoma Malignant** 0/48 (0%)0/50 (0%)**Overall Incidence** Total 0/48 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% *Prostate: **Mast Cell Tumor** 0/50 (0%)

SD 0%

Total

0/50 (0%)

Mean 0%

Overall Incidence

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER Page: 167

			Male				Female	
*Salivary Glands: Adenoma				-				
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Salivary Glands: Carcinoma		0/50 (00/)				0/50 (00/)		
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Salivary Glands: Carcinoma or Adenoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Salivary Glands: Hemangiosarcoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Salivary Glands: Mast Cell Tumor		0/50 (00()				0/50 (00/)		
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
*Salivary Glands: Myxosarcoma								
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Strain: B6C3F1/N

Species: MICE

Toxicology Data Management System

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Report Date: 07/01/2019

Contract/Lab: All Laboratories Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER

Length of Study: CHRONIC

Male **Female #Seminal Vesicle:** Adenoma 0/50 (0%)**Overall Incidence** Total 0/50 (0%) Mean 0% SD 0% **#Seminal Vesicle: Fibroma** 0/50 (0%)**Overall Incidence** Total 0/50 (0%) Mean 0% SD 0% **#Skeletal Muscle:** Hemangiosarcoma 1/50 (2%)0/50 (0%)**Overall Incidence** Total 1/50 (2%) Mean 2% SD 0% Total 0/50 (0%) Mean 0% SD 0% **#Skeletal Muscle:** Osteosarcoma 0/50 (0%)0/50 (0%)SD 0% **Overall Incidence** Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% **#Skeletal Muscle:**

SD 0%

SD 0%

0/50

0/50

0/50 (0%)

0/50 (0%)

Total

Total

(0%)

(0%)

Mean 0%

Mean 0%

SD 0%

SD 0%

Total

Total

0/50

0/50 (0%)

0/50

0/50 (0%)

(0%)

(0%)

Mean 0%

Mean 0%

Rhabdomyosarcoma or Rhabdomyoma

Rhabdomyosarcoma

Overall Incidence

Overall Incidence

#Skeletal Muscle:

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Tumor Incidence for Selected Control Animal Groups

Report Date: 07/01/2019

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Species: MICE Strain: B6C3F1/N Route: ORAL Vehicle: WATER

Length of Study: CHRONIC

			Male				Female	
#Skeletal Muscle: Sarcoma								
		0/50 (0%)				1/50 (2%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
#Skin: Basal Cell Carcinoma								
		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skin: Basal Cell Carcinoma o	r Basosguamou	s Tumor (malignant or N	(OS)					
		0/50 (0%)	,			0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skin:	Basal Cell Adenc	oma, Basosquamous Tu						
NOS), or Trichoepithen	Jilia	0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skin: Basal or Sq. Cell Carcir Adenoma, Papilloma, S		a, Basosq. Tumor (M or ratoacanthoma, Trichoe 0/50 (0%)		ma,		0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
				070				
#Skin: Fibroma		0/50 /60/				0/50 (00/.)		
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	• • • • • • • • • • • • • • • • • • • •	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
			Mean 0%					

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Strain: B6C3F1/N

Species: MICE

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Male **Female** #Skin: Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, Malignant Fibrous Histiocytoma, or Hemangiopericytoma 0/50 (0%)1/50 (2%)SD 0% Overall Incidence Total 0/50 (0%) Mean 0% SD 0% Total 1/50 (2%) Mean 2% Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Malignant Fibrous Histiocytoma 0/50 (0%)1/50 (2%)Mean 0% **Overall Incidence** Total 0/50 (0%) SD 0% Total 1/50 (2%) Mean 2% SD 0% #Skin:

0/50

1/50

0/50 (0%)

Total

(0%)

(20/)

#	Skin:
	Fibrosarcoma, Sarcoma, Myxosarcoma, or Malignant Fibrous Histiocytoma
	0/50 (0%)

Total

0/50

0/50 (0%)

(0%)

		0/30 (0/0)				1/50 (2/0)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%

SD 0%

#Skin:

Hemangioma

Fibrosarcoma

Overall Incidence

		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

#Skin:

Hemangiosarcoma

		0/50 (0%)				0/50 (0%)	
Overall Incidence	Total	0/50 (00/)	Moon 00/	SD 00/	Total	0/50 (0%)	

Mean 0%

Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
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^{*:} Denominator is number of animals with tissues examined microscopically

Page: 170

Mean 0%

SD 0%

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER Page: 171

			Male				Female	
#Skin: Keratoacanthoma								
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Skin: Lipoma								
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Skin: Liposarcoma		0/50 (0%)				1/50 (2%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
#Skin: Malignant Fibrous Histi		0/50 (0%)				1/50 (2%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
#Skin: Melanoma Benign								
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Skin: Neurofibrosarcoma or \$	Schwannoma (m	alignant or NOS) 0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Strain: B6C3F1/N

Species: MICE

Toxicology Data Management System

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Report Date: 07/01/2019

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Male **Female** #Skin: Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS) 0/50 (0%)0/50 (0%)0/50 (0%) **Overall Incidence** Total Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% #Skin: Osteosarcoma 0/50 (0%)0/50 (0%)**Overall Incidence** Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) SD 0% Mean 0% #Skin: Pilomatrixoma 0/50 (0%)0/50 (0%)**Overall Incidence** Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% #Skin: Sarcoma 0/50 (0%)0/50 (0%)**Overall Incidence** Total 0/50 (0%) Mean 0% SD 0% Total Mean 0% SD 0% 0/50 (0%) #Skin: Schwannoma Malignant 0/50 (0%)0/50 (0%)**Overall Incidence** Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma 0/50 (0%)0/50 (0%)0/50 (0%) SD 0% Mean 0% **Overall Incidence** Total Mean 0% Total 0/50 (0%) SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Strain: B6C3F1/N

Overall Incidence

Overall Incidence

Overall Incidence

Overall Incidence

Overall Incidence

Hemangiosarcoma

#Spinal Cord:

*Spleen:

.....

Schwannoma Malignant

#Skin:

#Skin:

#Skin:

#Skin:

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE

Length of Study: CHRONIC

Squamous Cell Papilloma

Squamous Cell Papilloma or Papilloma

0/50

0/50 (0%)

0/50

0/50 (0%)

0/50

0/50 (0%)

0/50

0/50 (0%)

1/50

1/50 (2%)

4/49

Total

Total

Total

Total

Total

Squamous Cell Papilloma, Papilloma, or Keratoacanthoma

(0%)

(0%)

(0%)

(2%)

(8%)

Mean 2%

Mean 8.16%

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER

SD 0%

SD 0%

Male **Female** 0/50 (0%)Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% 0/50 (0%)Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma 0/50 (0%)Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% 0/50 (0%)Mean 0% SD 0% Total Mean 0% SD 0% 0/50 (0%)

0/50

0/50

0/50 (0%)

0/50 (0%)

Total

Total

(0%)

(0%)

Mean 0%

Mean 0%

SD 0%

SD 0%

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Overall Incidence	Total	4/49 (8.16%)
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^{*:} Denominator is number of animals with tissues examined microscopically #: Denominator is number of animals necropsied

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: ORAL Vehicle: WATER Page: 174

				Male				Female	
#Stomach, Forestomach: Mast Cell Tumor Malignant									
		1/50	(2%)				0/50 (0%)		
Overall Incidence	Total	1/50 (2%)		Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Stomach, Forestomach: Squamous Cell Carcinoma									
		0/50	(0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)		Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Stomach, Forestomach: Squamous Cell Carcinoma c	•	0/50	(0%)	M 00/	OD 007	Total	1/50 (2%)	M 00/	OD 00/
Overall Incidence	Total	0/50 (0%)		Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
#Stomach, Forestomach: Squamous Cell Papilloma		0/50	(0%)				1/50 (2%)		
Overall Incidence	Total	0/50 (0%)		Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
#Stomach, Glandular: Adenoma									
		0/50	(0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)		Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Stomach, Glandular: Carcinoma		0/50	(00/)				0/50 /00/		
Overall Incidence	Total	0/50 0/50 (0%)	(0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
Overall incluence	TOLAL	0/30 (0%)		IVIEAN 076	0% עכ	I Olai	0/30 (0%)	IVIEAN 076	3D 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER Page: 175

			Male			Female			
#Stomach, Glandular: Carcinoma or Adenoma									
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
*Testis: Adenoma		0/50 (0%)							
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%					
*Testis: Hemangioma									
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%					
*Thymus: Thymoma Benign		0/45 (0%)				0/49 (0%)			
Overall Incidence	Total	0/45 (0%)	Mean 0%	SD 0%	Total	0/49 (0%)	Mean 0%	SD 0%	
*Thymus: Thymoma NOS	•••••								
Overall Incidence	Total	0/45 (0%) 0/45 (0%)	Mean 0%	SD 0%	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%	
*Thymus: Thymoma: Benign, Malig	nant, NOS								
Overall Incidence	Total	0/45 (0%) 0/45 (0%)	Mean 0%	SD 0%	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%	

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE
Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER **Page:** 176

				Male			Fei	male
*Thyroid Gland: C-Cell: Adenoma								
Overall Incidence	Total	0/50 (0° 0/50 (0%)	%) Mean	0% SD	0% Tota	0/49 al 0/49	(0%) (0%) Mean	0% SD 0%
*Thyroid Gland: C-Cell: Carcinoma				•••••				
Overall Incidence	Total	0/50 (0° 0/50 (0%)	%) Mean	0% SD	0% Tota	0/49 al 0/49	(0%) Mean	0% SD 0%
*Thyroid Gland: C-Cell: Carcinoma or Adenoma		0/50 (0 ^o	ο _ζ)			0/49	(0%)	
Overall Incidence	Total	0/50 (0%)	Mean		0% Tota		` '	0% SD 0%
*Thyroid Gland: Follicular Cell Adenoma								
Overall Incidence	Total	0/50 (0° 0/50 (0%)	Mean		0% Tota		,	
*Thyroid Gland: Follicular Cell Carcinoma or Adenoma								
Overall Incidence	Total	0/50 (0° 0/50 (0%)	%) Mean	0% SD	0% Tota	1/49 al 1/49 (2	(2%) .04%) Mean 2	2.04% SD 0%
#Tongue: Squamous Cell Carcinoma o						1/50	(2%)	
Overall Incidence	Total	0/50 (0%)	Mean		0% Tota	al 1/50	(2%) Mean	2% SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER Page: 177

			Male				Female	
#Tongue: Squamous Cell Papilloma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%
#Tooth: Odontoma		` '				, ,		
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Urinary Bladder: Hemangiosarcoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Urinary Bladder: Mast Cell Tumor		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Uterus: Adenoma								
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Uterus: Fibroma								
Overall Incidence					Total	0/50 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1/N

Toxicology Data Management System

Contract/Lab: All Laboratories Tumor Incidence for Selected Control Animal Groups

Route: ORAL Vehicle: WATER

Length of Study: CHRONIC

Page: 178

	Male			Female	
#Uterus: Granular Cell Tumor Benign					
Overall Incidence		Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Uterus: Hemangioma					
Overall Incidence		Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Uterus: Hemangiosarcoma					
Overall Incidence		Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%
#Uterus: Leiomyoma					
Overall Incidence		Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Uterus: Polyp Stromal					
Overall Incidence		Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Uterus: Sarcoma Stromal					
Overall Incidence		Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Tumor Incidence for Selected Control Animal Groups

Report Date: 07/01/2019

Page: 179

Species: MICE Strain: B6C3F1/N Route: ORAL Vehicle: WATER

Length of Study: CHRONIC

			Male				Female	
#Uterus: Sarcoma Stromal or Polyp	o Stromal							
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Zymbal's Gland: Carcinoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Zymbal's Gland: Carcinoma or Adenoma								
Occupation of demand	T-1-1	0/50 (0%)	Maran 00/	00.00/	T-1-1	0/50 (0%)	Maria 00/	00.00/
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: Whole Body Exposure

Vehicle: AIR

Page: 180

Report Date: 07/01/2019

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			
I. I. T. Research Institute	052010578	06/18/12	729	90(1)	66(687)	51.5	Radiofrequency Radiation	
Female								
I. I. T. Research Institute	052010578	06/18/12	739	90(1)	67(704)	62.6	Radiofrequency Radiation	

Species: MICE

Strain: B6C3F1/N

Toxicology Data Management System

Contract/Lab: All Laboratories

Tumor Incidence for Selected Control Animal Groups

Page: 181

Report Date: 07/01/2019

Route: Whole Body Exposure

Length of Study: CHRONIC

Vehicle: AIR

			Male Fer					
#All Organs: Benign Tumors		61/90 (68%)				36/90 (40%)		
Overall Incidence	Total	61/90 (68%) 61/90 (67.78%)	Mean 67.78%	SD 0%	Total	36/90 (40%)	Mean 40%	SD 0%
#All Organs: Malignant Tumors								
Overall Incidence	Total	49/90 (54%) 49/90 (54.44%)	Mean 54.44%	SD 0%	Total	33/90 (37%) 33/90 (36.67%)	Mean 36.67%	SD 0%
#All Organs: Malignant and Benign To	umors	79/90 (88%)				59/90 (66%)		
Overall Incidence	Total	79/90 (87.78%)	Mean 87.78%	SD 0%	Total	59/90 (65.56%)	Mean 65.56%	SD 0%
#All Organs: Hemangioma Overall Incidence	Total	1/90 (1%) 1/90 (1.11%)	Mean 1.11%	SD 0%	Total	4/90 (4%) 4/90 (4.44%)	Mean 4.44%	SD 0%
#All Organs: Hemangiosarcoma		2/90 (2%)				2/90 (2%)		
Overall Incidence	Total	2/90 (2.22%)	Mean 2.22%	SD 0%	Total	2/90 (2.22%)	Mean 2.22%	SD 0%
#All Organs: Hemangiosarcoma or He	emangioma	3/90 (3%)				6/90 (7%)		
Overall Incidence	Total	3/90 (3.33%)	Mean 3.33%	SD 0%	Total	6/90 (6.67%)	Mean 6.67%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: Whole Body Exposure

Vehicle: AIR

Page: 182

			Male				Female	
#All Organs: Histiocytic Sarcoma		0/00 (00/)				0/00 (00/)		
Overall Incidence	Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%	Total	8/90 (9%) 8/90 (8.89%)	Mean 8.89%	SD 0%
#All Organs:								
Malignant Lymphoma: Histi	ocytic, Lym	iphocytic, Mixed, NOS, o 6/90 (7%)	r Undifferentiated Ce	птуре		2/90 (2%)		
Overall Incidence	Total	6/90 (6.67%)	Mean 6.67%	SD 0%	Total	2/90 (2.22%)	Mean 2.22%	SD 0%
#All Organs: Malignant Schwannoma								
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%
Overall incidence		0/90 (0%)				0/90 (0%)		
#All Organs: Osteosarcoma		2/22 (22/)				0/00 (00/)		
Overall Incidence	Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%	Total	3/90 (3%) 3/90 (3.33%)	Mean 3.33%	SD 0%
#All Organs: Osteosarcoma or Osteoma			•••••					
		0/90 (0%)				3/90 (3%)		
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	3/90 (3.33%)	Mean 3.33%	SD 0%
*Adrenal Cortex: Adenoma								
		0/90 (0%)				1/84 (1%)		
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	1/84 (1.19%)	Mean 1.19%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: Whole Body Exposure

Vehicle: AIR

Page: 183

			Male Female						
*Adrenal Medulla: Pheochromocytoma Benig	gn								
·		0/90	(0%)				0/83 (0%)		
Overall Incidence	Total	0/90 (0%)		Mean 0%	SD 0%	Total	0/83 (0%)	Mean 0%	SD 0%
*Adrenal Medulla: Pheochromocytoma Malic	ınant								
, ,		0/90	(0%)				2/83 (2%)		
Overall Incidence	Total	0/90 (0%)	` '	Mean 0%	SD 0%	Total	2/83 (2.41%)	Mean 2.41%	SD 0%
*Adrenal Medulla: Pheochromocytoma: Beni Overall Incidence	i gn, Complex, Total	_	(0%)	Mean 0%	SD 0%	Total	2/83 (2%) 2/83 (2.41%)	Mean 2.41%	SD 0%
#Blood Vessel: Hemangioma			(0%)				0/90 (0%)		
Overall Incidence	Total	0/90 (0%)	` '	Mean 0%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%
#Blood Vessel: Hemangiosarcoma									
Overall Incidence	Total	0/90 0/90 (0%)	(0%)	Mean 0%	SD 0%	Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%
		· · · · · · · · · · · · · · · · · · ·					······		
*Bone Marrow: Hemangiosarcoma		0/90	(0%)				0/90 (0%)		
Overall Incidence	Total	0/90 (0%)	(0%)	Mean 0%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%
Jveran incluence	illai	0/90 (0%)		IVICALI U%	SD 070	i Ulai	0/90 (070)	IVICALI U70	SD 070

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: MICE Strain: B6C3F1/N

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Page: 184

Report Date: 07/01/2019

Route: Whole Body Exposure

Vehicle: AIR

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male				Female				
*Bone Marrow: Mast Cell Tumor Malignant		0/90 (0%)				0/90 (0%)					
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%			
*Bone Marrow: Sarcoma		0/90 (0%)				0/90 (0%)					
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%			
#Bone: Fibroma		0/90 (0%)				0/90 (0%)					
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%			
#Bone: Hemangioma		0/90 (0%)				1/90 (1%)					
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	1/90 (1.11%)	Mean 1.11%	SD 0%			
#Bone: Hemangiosarcoma						0/00 (09/)					
Overall Incidence	Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%			
#Bone: Osteosarcoma		0/90 (0%)				1/90 (1%)					
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	1/90 (1.11%)	Mean 1.11%	SD 0%			

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: Whole Body Exposure

Vehicle: AIR

Page: 185

			Male		0/90 (0%) Total 0/90 (0%) Mean 0% SD 0% 0/82 (0%) Total 0/82 (0%) Mean 0% SD 0% 0/90 (0%) Total 0/90 (0%) Mean 0% SD 0%			Female			
#Bone: Osteosarcoma or Osteoma											
Overall Incidence	Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%	Total	` ,	Mean 1.11%	SD 0%			
#Bone: Sarcoma											
Overall Incidence	Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%	Total	` '	Mean 0%	SD 0%			
*Clitoral/Preputial Gland: Mast Cell Tumor		4/00 (40()				0/00 (0%)					
Overall Incidence	Total	1/89 (1%) 1/89 (1.12%)	Mean 1.12%	SD 0%	Total	` '	Mean 0%	SD 0%			
#Coagulating Gland: Granular Cell Tumor		0/90 (0%)				0/90 (0%)					
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%			
#Coagulating Gland: Sarcoma											
Overall Incidence	Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%	Total	` '	Mean 0%	SD 0%			
*Epididymis: Mast Cell Tumor		1/90 (1%)									
Overall Incidence	Total	1/90 (1%)	Mean 1.11%	SD 0%							

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE

Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: Whole Body Exposure

Vehicle: AIR

Page: 186

			Male			Female			
#Harderian Gland: Adenoma									
		6/90 (7%)				4/90 (4%)			
Overall Incidence	Total	6/90 (6.67%)	Mean 6.67%	SD 0%	Total	4/90 (4.44%)	Mean 4.44%	SD 0%	
#Harderian Gland: Carcinoma									
		3/90 (3%)				0/90 (0%)			
Overall Incidence	Total	3/90 (3.33%)	Mean 3.33%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%	
#Harderian Gland: Carcinoma or Adenoma									
		9/90 (10%)				4/90 (4%)			
Overall Incidence	Total	9/90 (10%)	Mean 10%	SD 0%	Total	4/90 (4.44%)	Mean 4.44%	SD 0%	
#Harderian Gland: Mast Cell Tumor									
Overall Incidence	Total	1/90 (1%) 1/90 (1.11%)	Mean 1.11%	SD 0%	Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%	
*Heart: Hemangiosarcoma									
		0/90 (0%)				0/90 (0%)			
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%	
#Intestine Large: Cecum: Leiomyosarcoma						0/90 (0%)			
Overall Incidence	Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%) 0/90 (0%)	Maan 00/	SD 0%	
Overall incidence	Total	0/90 (0%)	iviean 0%	SD 0%	างเลา	0/90 (0%)	Mean 0%	3D 0%	

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: Whole Body Exposure

Vehicle: AIR

Page: 187

			Male			Female		
#Intestine Small: Duodenum: Adenoma								
		0/90 (0%)				0/90 (0%)		
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%
#Intestine Small: Duodenum: Carcinoma								
		1/90 (1%)				0/90 (0%)		
Overall Incidence	Total	1/90 (1.11%)	Mean 1.11%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%
#Intestine Small: Duodenum: Polyp Adenomatous								
		0/90 (0%)				0/90 (0%)		
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%
#Intestine Small: Ileum: Adenoma								
Overall Incidence	Tatal	0/90 (0%)	Mean 0%	CD 00/	Tatal	0/90 (0%)	Mean 0%	SD 0%
Overali incidence	Total	0/90 (0%)		SD 0%	Total	0/90 (0%)		0% עס
#Intestine Small: Jejunum: Adenoma								
		0/90 (0%)				0/90 (0%)		
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%
#Intestine Small: Jejunum: Carcinoma								
		2/90 (2%)				0/90 (0%)		00.00
Overall Incidence	Total	2/90 (2.22%)	Mean 2.22%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE
Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: Whole Body Exposure

Vehicle: AIR

Page: 188

	Male Female							
#Intestine Small: Jejunum Leiomyosarcoma	1:							
•		0/90 (0%)				0/90 (0%)		
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%
#Intestine Small: Jejunum Mast Cell Tumor	1:							
		1/90 (1%)				0/90 (0%)		
Overall Incidence	Total	1/90 (1.11%)	Mean 1.11%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%
#Intestine Small: Site Uns Adenoma	pecified:							
		0/90 (0%)				0/90 (0%)		
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%
#Intestine Small: Site Uns Carcinoma								
		3/90 (3%)				0/90 (0%)		
Overall Incidence	Total	3/90 (3.33%)	Mean 3.33%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%
#Intestine Small: Site Uns Carcinoma or Adenoma	pecified:							
		3/90 (3%)				0/90 (0%)		
Overall Incidence	Total	3/90 (3.33%)	Mean 3.33%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%
#Intestine Small: Site Uns Leiomyosarcoma	pecified:							
		0/90 (0%)				0/90 (0%)		
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE
Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: Whole Body Exposure

Vehicle: AIR

Page: 189

		Male				Female			
#Intestine Small: Site Unsp Mast Cell Tumor	ecified:								
		1/90 (1%)				0/90 (0%)			
Overall Incidence	Total	1/90 (1.11%)	Mean 1.11%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%	
#Intestine Small: Site Unsp Polyp Adenomatous	ecified:								
		0/90 (0%)				0/90 (0%)			
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%	
*Islets, Pancreatic: Adenoma		0/00 (00/)				0/07 (00/)			
Overall Incidence	Total	0/88 (0%) 0/88 (0%)	Mean 0%	SD 0%	Total	0/87 (0%) 0/87 (0%)	Mean 0%	SD 0%	
		, ,				0,01 (0,70)			
*Islets, Pancreatic: Carcinoma		0/88 (0%)				1/87 (1%)			
Overall Incidence	Total	0/88 (0%)	Mean 0%	SD 0%	Total	1/87 (1.15%)	Mean 1.15%	SD 0%	
*Islets, Pancreatic: Carcinoma or Adenoma									
		0/88 (0%)				1/87 (1%)			
Overall Incidence	Total	0/88 (0%)	Mean 0%	SD 0%	Total	1/87 (1.15%)	Mean 1.15%	SD 0%	
*Kidney: Renal Tubule: Adenoma		0/00 (551)				0/00 (00/)			
Overall Incidence	Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%	Total	2/89 (2%) 2/89 (2.25%)	Mean 2.25%	SD 0%	
Overall incidence	างเลเ	0/90 (0%)	IVIEAN U%	3D 0%	าบเลเ	Z/09 (Z.Z0%)	iviean 2.25%	JU U%	

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: MICE

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

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Report Date: 07/01/2019

Route: Whole Body Exposure

Vehicle: AIR

Strain: B6C3F1/N Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male				Female	
*Kidney: Renal Tubule: Carcinoma		0/90 (0%)				0/89 (0%)		
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	0/89 (0%)	Mean 0%	SD 0%
*Kidney: Renal Tubule: Carcinoma or Adenoma		0/90 (0%)				2/89 (2%)		
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	2/89 (2.25%)	Mean 2.25%	SD 0%
*Kidney: Renal Tubule: Hemangiosarcoma		0/90 (0%)				0/89 (0%)		
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	0/89 (0%)	Mean 0%	SD 0%
*Kidney: Renal Tubule: Mast Cell Tumor		1/90 (1%)				0/89 (0%)		
Overall Incidence	Total	1/90 (1.11%)	Mean 1.11%	SD 0%	Total	0/89 (0%)	Mean 0%	SD 0%
*Kidney: Renal Tubule: Renal Mesenchymal Tumor		0/90 (0%)				1/89 (1%)		
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	1/89 (1.12%)	Mean 1.12%	SD 0%
*Liver: Cholangiocarcinoma								
Overall Incidence	Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%	Total	0/89 (0%) 0/89 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: Whole Body Exposure

Vehicle: AIR

Page: 191

					O/89 (0%) Fotal O/89 (0%) Mean 0% SD 0% 1/89 (1%) Fotal 1/89 (1.12%) Mean 1.12% SD 0% 19/89 (21%) Fotal 19/89 (21.35%) Mean 21.35% SD 0% 8/89 (9%) Fotal 8/89 (8.99%) Mean 8.99% SD 0%			Female			
	0/90 (0%)				` '						
Total	0/90 (0%)	Mean 0%	SD 0%	Total	0/89 (0%)	Mean 0%	SD 0%				
	1/90 (1%)				` '						
Total	1/90 (1.11%)	Mean 1.11%	SD 0%	Total	0/89 (0%)	Mean 0%	SD 0%				
	-()										
T-1-1	` '	Mara 0.070/	OD 00/	T-1-1	` '	M 4 400/	OD 00/				
	' '				` '		SD 0%				
	52/00 (599/)				10/90 (21%)						
Total	52/90 (57.78%)	Mean 57.78%	SD 0%	Total	19/89 (21.35%)						
	` '				` '						
ıotal	28/90 (31.11%)	Mean 31.11%	SD 0%	Total	8/89 (8.99%)	Mean 8.99%	SD 0%				
lepatobla					0/00 (400/)						
Total		Moon 25 569/	SD 00/	Total	, ,	Moon 10 110/	SD 0%				
· T·	Fotal Fotal Fotal Fotal	Total 0/90 (0%) 1/90 (1%) Total 1/90 (1.11%) 6/90 (7%) Total 6/90 (6.67%) 52/90 (58%) Total 52/90 (57.78%) 28/90 (31%) Total 28/90 (31.11%) Iepatoblastoma 32/90 (36%) Total 32/90 (35.56%)	Total 0/90 (0%) Mean 0% 1/90 (1%) Total 1/90 (1.11%) Mean 1.11% 6/90 (7%) Total 6/90 (6.67%) Mean 6.67% 52/90 (58%) Total 52/90 (57.78%) Mean 57.78% 28/90 (31%) Total 28/90 (31.11%) Mean 31.11% Ilepatoblastoma 32/90 (36%) Total 32/90 (35.56%) Mean 35.56%	Total 0/90 (0%) Mean 0% SD 0% Total 1/90 (1%) Mean 1.11% SD 0% Total 6/90 (7%) Mean 6.67% SD 0% Total 52/90 (58%) SD 0% Total 52/90 (57.78%) Mean 57.78% SD 0% Total 28/90 (31%) Mean 31.11% SD 0% Total 28/90 (31.11%) Mean 31.11% SD 0% Total 32/90 (36%) Total 32/90 (35.56%) Mean 35.56% SD 0%	Total 0/90 (0%) Mean 0% SD 0% Total 1/90 (1%) Total 1/90 (1.11%) Mean 1.11% SD 0% Total 6/90 (7%) Total 6/90 (6.67%) Mean 6.67% SD 0% Total 52/90 (58%) Total 52/90 (57.78%) Mean 57.78% SD 0% Total 28/90 (31%) Total 28/90 (31.11%) Mean 31.11% SD 0% Total depatoblastoma 32/90 (36%) Total 32/90 (35.56%) Mean 35.56% SD 0% Total	Total 0/90 (0%) Mean 0% SD 0% Total 0/89 (0%) Total 1/90 (1%)	Total 0/90 (0%) Mean 0% SD 0% Total 0/89 (0%) Mean 0% 1/90 (1%) Mean 1.11% SD 0% Total 0/89 (0%) Mean 0% 6/90 (7%) Mean 6.67% SD 0% Total 1/89 (1%) Fotal 6/90 (6.67%) Mean 6.67% SD 0% Total 1/89 (1.12%) Mean 1.12% 52/90 (58%) Fotal 52/90 (57.78%) Mean 57.78% SD 0% Total 19/89 (21%) Fotal 28/90 (31%) Mean 31.11% SD 0% Total 19/89 (8.99%) Mean 8.99% 1epatoblastoma 32/90 (36%) 9/89 (10%)				

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1/N

Toxicology Data Management System

Contract/Lab: All Laboratories

Tumor Incidence for Selected Control Animal Groups

Route: Whole Body Exposure

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Report Date: 07/01/2019

Vehicle: AIR

Length of Study: CHRONIC

			Male				Female	
Liver: Hepatocellular Carcino	ma or Hepatoco	ellular Adenoma						
•	·	67/90 (74%)				25/89 (28%)		
Overall Incidence	Total	67/90 (74.44%)	Mean 74.44%	SD 0%	Total	25/89 (28.09%)	Mean 28.09%	SD 0%
Liver: Hepatocellular Carcino	ma, Hepatocell	ular Adenoma, or Hepato	blastoma					
•	, ,	68/90 (76%)				25/89 (28%)		
Overall Incidence	Total	68/90 (75.56%)	Mean 75.56%	SD 0%	Total	25/89 (28.09%)	Mean 28.09%	SD 0%
Liver: Hepatocholangiocarcin	noma	4/00 /40/)			•••••	0/00 /00/		
Normall In alidana a	Tatal	1/90 (1%)	Mana 4 440/	CD 00/	Tatal	0/89 (0%)	Mana 00/	CD 00/
Overall Incidence	Total	1/90 (1.11%)	Mean 1.11%	SD 0%	Total	0/89 (0%)	Mean 0%	SD 0%
Liver: Mast Cell Tumor		1/90 (1%)				0/89 (0%)		
Overall Incidence	Total	1/90 (1.11%)	Mean 1.11%	SD 0%	Total	0/89 (0%)	Mean 0%	SD 0%
Lung: Alveolar/Bronchiolar A	denoma							
		13/90 (14%)				3/90 (3%)		
Overall Incidence	Total	13/90 (14.44%)	Mean 14.44%	SD 0%	Total	3/90 (3.33%)	Mean 3.33%	SD 0%
Lung: Alveolar/Bronchiolar C						0/00 /000		
		13/90 (14%)		05 00/		3/90 (3%)		
Overall Incidence	Total	13/90 (14.44%)	Mean 14.44%	SD 0%	Total	3/90 (3.33%)	Mean 3.33%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1/N

Toxicology Data Management System

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Report Date: 07/01/2019

Contract/Lab: All Laboratories Tumor Incidence for Selected Control Animal Groups

Route: Whole Body Exposure

Vehicle: AIR

Length of Study: CHRONIC

			Male			Female				
*Lung: Alveolar/Bronchiolar Card	inoma or Alv	veolar/Bronchiolar Adeno 23/90 (26%)	ma			6/90 (7%)				
Overall Incidence	Total	23/90 (25.56%)	Mean 25.56%	SD 0%	Total	6/90 (6.67%)	Mean 6.67%	SD 0%		
*Lung: Hemangiosarcoma										
Overall Incidence	Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%		
*Lung: Mast Cell Tumor		4/00 (49/)				0/00 /00/				
Overall Incidence	Total	1/90 (1%) 1/90 (1.11%)	Mean 1.11%	SD 0%	Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%		
#Lymph Node: Hemangiosarcoma		0/00 (00/)				0/90 (0%)				
Overall Incidence	Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%		
#Lymph Node: Mast Cell Tumor										
Overall Incidence	Total	1/90 (1%) 1/90 (1.11%)	Mean 1.11%	SD 0%	Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%		
#Lymph Node, Mandibular: Mast Cell Tumor										
Overall Incidence	Total	1/90 (1%) 1/90 (1.11%)	Mean 1.11%	SD 0%	Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%		

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: Whole Body Exposure

Vehicle: AIR

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			Male				Female	
#Lymph Node, Mandibular: Mast Cell Tumor Malignant		2/22 (221)				- ()		
Overall Incidence	Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%
#Lymph Node, Mesenteric: Hemangioma		4/00 (40)				0/00 (00/)		
Overall Incidence	Total	1/90 (1%) 1/90 (1.11%)	Mean 1.11%	SD 0%	Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%
#Lymph Node, Mesenteric: Hemangiosarcoma		0/00 /00/				0/00 /00/		
Overall Incidence	Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%
#Lymph Node, Mesenteric: Mast Cell Tumor		1/90 (1%)				0/90 (0%)		
Overall Incidence	Total	1/90 (1.11%)	Mean 1.11%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%
#Lymph Node, Mesenteric: Mast Cell Tumor Malignant								
Overall Incidence	Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%
#Mammary Gland: Adenoma		0/00 (651)				0/00 /00/)		
Overall Incidence	Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: Whole Body Exposure

Vehicle: AIR

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		Male				Female	
Tatal	0/90 (0%)	Maan 00/	CD 00/	Tatal	0/90 (0%)	Mana 00/	CD 00/
ı otal	0/90 (0%)	wiean 0%	SD 0%	ı otaı	0/90 (0%)	Wean 0%	SD 0%
	, ,				` '		
	, ,	Mean 0%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%
or Adenoma	0/90 (0%)				0/90 (0%)		
Total	0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%
	r Adenoma						
Total	0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%
	0/90 (0%)				1/90 (1%)		
Total	0/90 (0%)	Mean 0%	SD 0%	Total	1/90 (1.11%)	Mean 1.11%	SD 0%
	1/00 /19/\				0/00 (0%)		
Total	, ,	Mean 1 11%	SD 0%	Total	` '	Mean 0%	SD 0%
	Total Carcinoma, or	Total 0/90 (0%) O/90 (0%) Total 0/90 (0%) Or Adenoma O/90 (0%) Total 0/90 (0%) Carcinoma, or Adenoma O/90 (0%) Total 0/90 (0%) Total 0/90 (0%) Total 0/90 (0%) Total 0/90 (0%)	Total 0/90 (0%) Mean 0% 0/90 (0%) Mean 0% Total 0/90 (0%) Mean 0% or Adenoma 0/90 (0%) Mean 0% Carcinoma, or Adenoma 0/90 (0%) Total 0/90 (0%) Mean 0% Total 0/90 (0%) Mean 0% Total 0/90 (0%) Mean 0%	Total 0/90 (0%) Mean 0% SD 0% O/90 (0%) Mean 0% SD 0% Total 0/90 (0%) Mean 0% SD 0% Total 0/90 (0%) Mean 0% SD 0% Carcinoma, or Adenoma 0/90 (0%) Mean 0% SD 0% Total 0/90 (0%) Mean 0% SD 0% Total 0/90 (0%) Mean 0% SD 0% Total 0/90 (0%) Mean 0% SD 0% Total 0/90 (0%) Mean 0% SD 0%	Total 0/90 (0%) Mean 0% SD 0% Total 0/90 (0%) Mean 0% SD 0% Total Total 0/90 (0%) Mean 0% SD 0% Total or Adenoma 0/90 (0%) Mean 0% SD 0% Total Carcinoma, or Adenoma 0/90 (0%) Total 0/90 (0%) Mean 0% SD 0% Total 1/90 (1%)	Total 0/90 (0%) Mean 0% SD 0% Total 0/90 (0%) O/90 (0%) Mean 0% SD 0% Total 0/90 (0%) Total 0/90 (0%) Mean 0% SD 0% Total 0/90 (0%) O/90 (0%) Total 0/90 (0%) Mean 0% SD 0% Total 0/90 (0%) Carcinoma, or Adenoma O/90 (0%) Total 0/90 (0%) Mean 0% SD 0% Total 0/90 (0%) Total 0/90 (0%) Total 0/90 (0%) Mean 0% SD 0% Total 0/90 (0%) Total 0/90 (0%) Mean 0% SD 0% Total 1/90 (1%) Total 0/90 (0%) Mean 0% SD 0% Total 1/90 (1.11%)	Total 0/90 (0%) Mean 0% SD 0% Total 0/90 (0%) Mean 0% 0/90 (0%) Mean 0% SD 0% Total 0/90 (0%) Mean 0% Total 0/90 (0%) Mean 0% SD 0% Total 0/90 (0%) Mean 0% or Adenoma 0/90 (0%) Mean 0% SD 0% Total 0/90 (0%) Mean 0% Total 0/90 (0%) Mean 0% SD 0% Total 0/90 (0%) Mean 0% Carcinoma, or Adenoma 0/90 (0%) Mean 0% SD 0% Total 0/90 (0%) Mean 0% Total 0/90 (0%) Mean 0% SD 0% Total 0/90 (0%) Mean 0% Total 0/90 (0%) Mean 0% SD 0% Total 1/90 (1%) Mean 0% 1/90 (1%) Mean 1.11%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1/N

Toxicology Data Management System

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Report Date: 07/01/2019

Contract/Lab: All Laboratories Tumor Incidence for Selected Control Animal Groups

Route: Whole Body Exposure

Vehicle: AIR

Length of Study: CHRONIC

			Male				Female	
#Mesentery: Lipoma		1/90 (1%)				0/90 (0%)		
Overall Incidence	Total	1/90 (1.11%)	Mean 1.11%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%
#Mesentery: Sarcoma		0/90 (0%)				0/90 (0%)		
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%
*Nose: Adenoma								
Overall Incidence	Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%	Total	0/89 (0%) 0/89 (0%)	Mean 0%	SD 0%
*Nose: Polyp	Total	0/90 (0%)	M 00/	OD 004	T -1-1	0/89 (0%)	M 00/	OD 00/
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	0/89 (0%)	Mean 0%	SD 0%
#Oral Cavity (Oral Mucosa Papilloma Squamous or								
Overall Incidence	Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%
#Oral Cavity (Oral Mucosa Squamous Cell Carcinor	, Tongue, Phary					0/90 (0%)		
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE

Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: Whole Body Exposure

Vehicle: AIR

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	Carcinoma						Female	
	ma, Papilloma S	Squamous, or Papilloma 0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%
#Oral Mucosa: Squamous Cell Carcino	ma							
Overall Incidence		` '	Mean 0%	SD 0%	Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%
*Ovary: Cystadenocarcinoma						0/75 (00/)		
Overall Incidence					Total	0/75 (0%) 0/75 (0%)	Mean 0%	SD 0%
*Ovary: Cystadenoma Overall Incidence					Total	2/75 (3%) 2/75 (2.67%)	Mean 2.67%	SD 0%
Overall Incidence					Total	1/75 (1%) 1/75 (1.33%)	Mean 1.33%	SD 0%
*Ovary: Granulosa Cell Tumor N	<i>l</i> lalignant					0/75 (00/)		
Overall Incidence					Total	0/75 (0%) 0/75 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1/N

Toxicology Data Management System

Contract/Lab: All Laboratories Tumor Incidence for Selected Control Animal Groups

Route: Whole Body Exposure

Vehicle: AIR

Length of Study: CHRONIC

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N	<i>f</i> lale		Female	
*Ovary: Granulosa Cell Tumor: Benign, Malignant, NOS		475 (400)		
Overall Incidence	Total	1/75 (1%) 1/75 (1.33%)	Mean 1.33%	SD 0%
*Ovary: Granulosa-Theca Tumor Malignant				
Overall Incidence	Total	0/75 (0%) 0/75 (0%)	Mean 0%	SD 0%
*Ovary: Hemangioma		0.77		
Overall Incidence	Total	2/75 (3%) 2/75 (2.67%)	Mean 2.67%	SD 0%
*Ovary: Hemangiosarcoma				
Overall Incidence	Total	0/75 (0%) 0/75 (0%)	Mean 0%	SD 0%
*Ovary: Luteoma				
Overall Incidence	Total	0/75 (0%) 0/75 (0%)	Mean 0%	SD 0%
*Ovary: Sarcoma				
Overall Incidence	Total	0/75 (0%) 0/75 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: Whole Body Exposure

Vehicle: AIR

Page: 199

			Male				Female	
*Ovary: Thecoma Malignant								
Overall Incidence					Total	1/75 (1%) 1/75 (1.33%)	Mean 1.33%	SD 0%
*Ovary: Tubulostromal Adenom	 na							
Overall Incidence					Total	0/75 (0%) 0/75 (0%)	Mean 0%	SD 0%
*Pancreas: Mast Cell Tumor			•••••					
		1/87 (1%)				0/87 (0%)		
Overall Incidence	Total	1/87 (1.15%)	Mean 1.15%	SD 0%	Total	0/87 (0%)	Mean 0%	SD 0%
*Parathyroid Gland: Adenoma								
		0/68 (0%)				0/60 (0%)		
Overall Incidence	Total	0/68 (0%)	Mean 0%	SD 0%	Total	0/60 (0%)	Mean 0%	SD 0%
*Pituitary Gland: Pars Dis Adenoma								
		0/86 (0%)				6/80 (8%)		
Overall Incidence	Total	0/86 (0%)	Mean 0%	SD 0%	Total	6/80 (7.5%)	Mean 7.5%	SD 0%
*Pituitary Gland: Pars Dis Carcinoma	talis or Unspeci	fied Site:	•••••					
		0/86 (0%)				0/80 (0%)		
Overall Incidence	Total	0/86 (0%)	Mean 0%	SD 0%	Total	0/80 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1/N

Toxicology Data Management System

Contract/Lab: All Laboratories

Tumor Incidence for Selected Control Animal Groups

Route: Whole Body Exposure

Page: 200

Report Date: 07/01/2019

Vehicle: AIR

Length of Study: CHRONIC

			Male				Female					
*Pituitary Gland: Pars Distalis or Unspecified Site: Carcinoma or Adenoma												
Overell besidence	Tatal	0/86 (0%)	Maara 00/	CD 00/	Tatal	6/80 (8%)	Man 7.50/	CD 00/				
Overall Incidence	Total	0/86 (0%)	Mean 0%	SD 0%	Total	6/80 (7.5%)	Mean 7.5%	SD 0%				
*Pituitary Gland: Pars Inte Adenoma	rmedia:											
		0/86 (0%)				0/80 (0%)						
Overall Incidence	Total	0/86 (0%)	Mean 0%	SD 0%	Total	0/80 (0%)	Mean 0%	SD 0%				
*Pituitary Gland: Pars Inte Carcinoma												
O	T-1-1	0/86 (0%)	M 00/	OD 00/	T-1-1	0/80 (0%)	Maran 00/	OD 00/				
Overall Incidence	Total	0/86 (0%)	Mean 0%	SD 0%	Total	0/80 (0%)	Mean 0%	SD 0%				
*Pituitary Gland: Pars Inte Carcinoma or Adenoma	rmedia:	0/86 (0%)				0/80 (0%)						
Overall Incidence	Total	0/86 (0%)	Mean 0%	SD 0%	Total	0/80 (0%)	Mean 0%	SD 0%				
Pituitary Gland: Pars Inte	rmedia:											
-		0/86 (0%)				0/80 (0%)						
Overall Incidence	Total	0/86 (0%)	Mean 0%	SD 0%	Total	0/80 (0%)	Mean 0%	SD 0%				
*Prostate: Mast Cell Tumor		1/90 (1%)										
Overall Incidence	Total	1/90 (1.11%)	Mean 1.11%	SD 0%								

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1/N

Length of Study: CHRONIC

Toxicology Data Management System

Contract/Lab: All Laboratories Tumor Incidence for Selected Control Animal Groups

Route: Whole Body Exposure

Vehicle: AIR

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			Male				Female	
*Salivary Glands: Adenoma								
		0/90 (0%)				0/89 (0%)		
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	0/89 (0%)	Mean 0%	SD 0%
*Salivary Glands: Carcinoma								
		0/90 (0%)				0/89 (0%)		
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	0/89 (0%)	Mean 0%	SD 0%
*Salivary Glands: Carcinoma or Adenoma		0/90 (0%)				0/89 (0%)		
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	0/89 (0%)	Mean 0%	SD 0%
*Salivary Glands:		, ,						
Hemangiosarcoma		0/90 (0%)				0/89 (0%)		
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	0/89 (0%)	Mean 0%	SD 0%
*Salivary Glands: Mast Cell Tumor								
		1/90 (1%)				0/89 (0%)		
Overall Incidence	Total	1/90 (1.11%)	Mean 1.11%	SD 0%	Total	0/89 (0%)	Mean 0%	SD 0%
*Salivary Glands: Myxosarcoma								
		0/90 (0%)				0/89 (0%)		
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	0/89 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE
Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: Whole Body Exposure

Vehicle: AIR

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			Male				Female	
#Seminal Vesicle: Adenoma Overall Incidence	Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%				
#Seminal Vesicle: Fibroma		1/90 (1%)						
Overall Incidence	Total	1/90 (1.11%)	Mean 1.11%	SD 0%				
#Skeletal Muscle: Hemangiosarcoma								
		0/90 (0%)				0/90 (0%)		
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%
#Skeletal Muscle: Osteosarcoma	•••••							
		0/90 (0%)				1/90 (1%)		
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	1/90 (1.11%)	Mean 1.11%	SD 0%
#Skeletal Muscle: Rhabdomyosarcoma								
		0/90 (0%)				0/90 (0%)		
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%
#Skeletal Muscle: Rhabdomyosarcoma or F								
		0/90 (0%)				0/90 (0%)		
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Strain: B6C3F1/N

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: Whole Body Exposure

Vehicle: AIR

Page: 203

			Male				Female	
#Skeletal Muscle: Sarcoma								
		1/90 (1%)				0/90 (0%)		
Overall Incidence	Total	1/90 (1.11%)	Mean 1.11%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%
#Skin: Basal Cell Carcinoma								
		0/90 (0%)				0/90 (0%)		
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%
#Skin: Basal Cell Carcinoma	or Basosquamou	s Tumor (malignant or l	NOS)					
		0/90 (0%)				0/90 (0%)		
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%
#Skin: Basal Cell Carcinoma, NOS), or Trichoepitheli		oma, Basosquamous Tu	umor (benign, maligna	nt or				
Overell Incidence	Tatal	0/90 (0%)	Mana 00/	CD 00/	Tatal	0/90 (0%)	Mana 00/	CD 00/
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%
#Skin: Basal or Sq. Cell Carci Adenoma, Papilloma, S	noma, Carcinom Sq Papilloma, Ke	a, Basosq. Tumor (M or ratoacanthoma, Trichoe 0/90 (0%)	B), Basal Cell Adenor pithelioma	ma,		0/90 (0%)		
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%
#Skin: Fibroma		0/90 (0%)				1/90 (1%)		
Overell Insidence	Tatal	` ,	Mana 00/	CD 00/	Tatal	` '	Maan 4 440/	CD 00/
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	1/90 (1.11%)	Mean 1.11%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Version: Apr2019 Contract/Lab: All Laboratories

Species: MICE

Strain: B6C3F1/N

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: Whole Body Exposure

Vehicle: AIR

Length of Study: CHRONIC

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			Male				Female	
#Skin: Fibroma, Fibrosarcoma, Hemangiopericytoma	Sarcoma, Myx	oma, Myxosarcoma, Mal	ignant Fibrous Histio	cytoma, or				
0.,		1/90 (1%)				6/90 (7%)		
Overall Incidence	Total	1/90 (1.11%)	Mean 1.11%	SD 0%	Total	6/90 (6.67%)	Mean 6.67%	SD 0%
#Skin: Fibroma, Fibrosarcoma	Sarcoma Myx	oma Myxosarcoma or I	Malignant Fibrous His	tiocytoma				
r ibroma, r ibrosarooma	ourooma, myx	1/90 (1%)	nanghant i broas ins	liooytoma		6/90 (7%)		
Overall Incidence	Total	1/90 (1.11%)	Mean 1.11%	SD 0%	Total	6/90 (6.67%)	Mean 6.67%	SD 0%
#Skin: Fibrosarcoma			•••••					
		0/90 (0%)				3/90 (3%)		
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	3/90 (3.33%)	Mean 3.33%	SD 0%
#Skin: Fibrosarcoma, Sarcoma	Myxosarcoma	or Malignant Fibrous F	listiocytoma					
r ibrocarooma, carooma	,, хооса оот	1/90 (1%)	noncoy toma			5/90 (6%)		
Overall Incidence	Total	1/90 (1.11%)	Mean 1.11%	SD 0%	Total	5/90 (5.56%)	Mean 5.56%	SD 0%
#Skin: Hemangioma	•••••							
		0/90 (0%)				0/90 (0%)		
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%
#Skin: Hemangiosarcoma								
		1/90 (1%)				2/90 (2%)		
Overall Incidence	Total	1/90 (1.11%)	Mean 1.11%	SD 0%	Total	2/90 (2.22%)	Mean 2.22%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Strain: B6C3F1/N

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: Whole Body Exposure

Vehicle: AIR

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			Male	Female				
#Skin: Keratoacanthoma								
		0/90 (0%)				0/90 (0%)		
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%
#Skin: Lipoma								
•		1/90 (1%)				1/90 (1%)		
Overall Incidence	Total	1/90 (1.11%)	Mean 1.11%	SD 0%	Total	1/90 (1.11%)	Mean 1.11%	SD 0%
#Skin: Liposarcoma								
		0/90 (0%)				0/90 (0%)		
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%
#Skin: Malignant Fibrous Histi								
		1/90 (1%)				0/90 (0%)		
Overall Incidence	Total	1/90 (1.11%)	Mean 1.11%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%
#Skin: Melanoma Benign								
		0/90 (0%)				0/90 (0%)		
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%
#Skin: Neurofibrosarcoma or S	Schwannoma (m					0/00 (00/)		
	-	0/90 (0%)		00.00/	-	0/90 (0%)	NA 00/	OD 00/
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Strain: B6C3F1/N

Species: MICE

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

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Report Date: 07/01/2019

Route: Whole Body Exposure

Vehicle: AIR

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Male **Female** #Skin: Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS) 0/90 (0%)0/90 (0%)**Overall Incidence** Total 0/90 (0%) Mean 0% SD 0% Total 0/90 (0%) Mean 0% SD 0% #Skin: Osteosarcoma 0/90 (0%)1/90 (1%)**Overall Incidence** Total 0/90 (0%) Mean 0% SD 0% Total 1/90 (1.11%) Mean 1.11% SD 0% #Skin: Pilomatrixoma 1/90 (1%)0/90 (0%)**Overall Incidence** Total 1/90 (1.11%) Mean 1.11% SD 0% Total 0/90 (0%) Mean 0% SD 0% #Skin: Sarcoma 0/90 (0%)2/90 (2%)**Overall Incidence** Total 0/90 (0%) Mean 0% SD 0% Total 2/90 (2.22%) Mean 2.22% SD 0% #Skin: Schwannoma Malignant 0/90 (0%)0/90 (0%)**Overall Incidence** Total 0/90 (0%) Mean 0% SD 0% Total 0/90 (0%) Mean 0% SD 0% Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma 0/90 (0%)0/90 (0%)0/90 (0%) Mean 0% **Overall Incidence** Total Mean 0% SD 0% Total 0/90 (0%) SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1/N

Contract/Lab: All Laboratories

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

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Report Date: 07/01/2019

Route: Whole Body Exposure

Vehicle: AIR

			Male				Female	
#Skin: Squamous Cell Papilloma		0/90 (0%)				0/90 (0%)		
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%
#Skin: Squamous Cell Papilloma	or Papilloma	0/00 (00/)				0/00 (00/)		
Overall Incidence	Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%
#Skin: Squamous Cell Papilloma,						0/90 (0%)		
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%
#Skin: Squamous Cell Papilloma,	Papilloma, o	r Keratoacanthoma 0/90 (0%)				0/90 (0%)		
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%
#Spinal Cord: Schwannoma Malignant								
Overall Incidence	Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%
*Spleen: Hemangiosarcoma		0/87 (0%)				0/86 (0%)		
Overall Incidence	Total	0/87 (0%)	Mean 0%	SD 0%	Total	0/86 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1/N

Contract/Lab: All Laboratories

Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: Whole Body Exposure

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Report Date: 07/01/2019

Vehicle: AIR

Male **Female #Stomach**, Forestomach: **Mast Cell Tumor Malignant** 0/90 (0%)0/90 (0%)**Overall Incidence** Total 0/90 (0%) Mean 0% SD 0% Total 0/90 (0%) Mean 0% SD 0% #Stomach, Forestomach: **Squamous Cell Carcinoma** 0/90 (0%)0/90 (0%)**Overall Incidence** Total 0/90 (0%) Mean 0% SD 0% Total 0/90 (0%) Mean 0% SD 0% **#Stomach**, Forestomach: Squamous Cell Carcinoma or Papilloma Squamous 0/90 (0%)1/90 (1%)**Overall Incidence** Total 0/90 (0%) Mean 0% SD 0% Total 1/90 (1.11%) Mean 1.11% SD 0% #Stomach, Forestomach: **Squamous Cell Papilloma** 0/90 (0%)1/90 (1%)**Overall Incidence** Total 0/90 (0%) Mean 0% SD 0% Total Mean 1.11% SD 0% 1/90 (1.11%) #Stomach, Glandular: Adenoma 0/90 (0%)0/90 (0%)**Overall Incidence** Total 0/90 (0%) Mean 0% SD 0% Total 0/90 (0%) Mean 0% SD 0% #Stomach, Glandular: Carcinoma 0/90 (0%)0/90 (0%)**Overall Incidence** Total 0/90 (0%) Mean 0% SD 0% SD 0% Total 0/90 (0%) Mean 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE
Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: Whole Body Exposure

Vehicle: AIR

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#Stomach, Glandular: Carcinoma or Adenoma Overall Incidence			Male		Female			
	Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%
*Testis: Adenoma		2/90 (2%)						
Overall Incidence	Total	2/90 (2.22%)	Mean 2.22%	SD 0%				
*Testis: Hemangioma		0/90 (0%)						
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%				
*Thymus: Thymoma Benign		0/75 (0%)				0/85 (0%)		
Overall Incidence	Total	0/75 (0%)	Mean 0%	SD 0%	Total	0/85 (0%)	Mean 0%	SD 0%
Thymus: Thymoma NOS		0/75 (0%)				0/85 (0%)		
Overall Incidence	Total	0/75 (0%)	Mean 0%	SD 0%	Total	0/85 (0%)	Mean 0%	SD 0%
*Thymus: Thymoma: Benign, Malign								
Overall Incidence	Total	0/75 (0%) 0/75 (0%)	Mean 0%	SD 0%	Total	0/85 (0%) 0/85 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1/N

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: Whole Body Exposure

Vehicle: AIR

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Report Date: 07/01/2019

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	Male						Female			
*Thyroid Gland: C-Cell: Adenoma										
Overall Incidence	Total	0/89 0/89 (0%)	(0%)	Mean 0%	SD 0%	Total	0/86 (0%) 0/86 (0%)	Mean 0%	SD 0%	
*Thyroid Gland: C-Cell: Carcinoma			()							
Overall Incidence	Total	0/89 0/89 (0%)	(0%)	Mean 0%	SD 0%	Total	1/86 (1%) 1/86 (1.16%)	Mean 1.16%	SD 0%	
*Thyroid Gland: C-Cell: Carcinoma or Adenoma		0/89	(0%)				1/86 (1%)			
Overall Incidence	Total	0/89 (0%)	,	Mean 0%	SD 0%	Total	1/86 (1.16%)	Mean 1.16%	SD 0%	
*Thyroid Gland: Follicular Cell Adenoma			(0%)				0/86 (0%)			
Overall Incidence	Total	0/89 (0%)		Mean 0%	SD 0%	Total	0/86 (0%)	Mean 0%	SD 0%	
*Thyroid Gland: Follicular Cell Carcinoma or Adenoma										
Overall Incidence	Total	0/89 0/89 (0%)	(0%)	Mean 0%	SD 0%	Total	0/86 (0%) 0/86 (0%)	Mean 0%	SD 0%	
#Tongue: Squamous Cell Carcinoma c	or Papilloma	a Squamous 0/90	(0%)				0/90 (0%)			
Overall Incidence	Total	0/90 (0%)	. ,	Mean 0%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%	

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1/N

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: Whole Body Exposure

Vehicle: AIR

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			Male	Female				
#Tongue: Squamous Cell Papilloma		0/90 (0%)				0/90 (0%)		
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%
#Tooth: Odontoma		0/90 (0%)				0/90 (0%)		
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%
*Urinary Bladder: Hemangiosarcoma		0/87 (0%)				0/86 (0%)		
Overall Incidence	Total	0/87 (0%)	Mean 0%	SD 0%	Total	0/86 (0%)	Mean 0%	SD 0%
*Urinary Bladder: Mast Cell Tumor		1/87 (1%)				0/86 (0%)		
Overall Incidence	Total	1/87 (1.15%)	Mean 1.15%	SD 0%	Total	0/86 (0%)	Mean 0%	SD 0%
#Uterus: Adenoma								
Overall Incidence					Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%
#Uterus: Fibroma						1/90 (1%)		
Overall Incidence					Total	1/90 (1%) 1/90 (1.11%)	Mean 1.11%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1/N

Toxicology Data Management System

Contract/Lab: All Laboratories Tumor Incidence for Selected Control Animal Groups

Route: Whole Body Exposure

Vehicle: AIR

Length of Study: CHRONIC

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	Male	Female				
#Uterus: Granular Cell Tumor Benign						
Overall Incidence		Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%	
#Uterus: Hemangioma						
Overall Incidence		Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%	
#Uterus: Hemangiosarcoma			2/22 //22/			
Overall Incidence		Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%	
#Uterus: Leiomyoma						
Overall Incidence		Total	1/90 (1%) 1/90 (1.11%)	Mean 1.11%	SD 0%	
#Uterus: Polyp Stromal						
Overall Incidence		Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%	
#Uterus: Sarcoma Stromal						
Overall Incidence		Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%	

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

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: Whole Body Exposure

Vehicle: AIR

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			Male				Female	
#Uterus: Sarcoma Stromal or Polyp	Stromal					0/00 /00/)		
Overall Incidence					Total	0/90 (0%) 0/90 (0%)	Mean 0%	SD 0%
#Zymbal's Gland: Carcinoma		0/90 (0%)				0/90 (0%)		
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%
#Zymbal's Gland: Carcinoma or Adenoma		0/90 (0%)				0/90 (0%)		
Overall Incidence	Total	0/90 (0%)	Mean 0%	SD 0%	Total	0/90 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied