Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

				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	052001106	07/21/03	729	50(5)	37(689)	53.4	1-Bromopropane								
Battelle Northwest	059901706	08/18/03	729	50(5)	31(686)	53.8	Diethylamine								
Battelle Northwest	059302506	06/23/03	729	50(5)	36(695)	52.9	Tetralin								
					Female										
Battelle Northwest	052001106	07/21/03	731	50(5)	36(698)	61.2	1-Bromopropane								
Battelle Northwest	059901706	08/18/03	731	50(5)	32(684)	60.7	Diethylamine								
Battelle Northwest	059302506	06/23/03	731	50(5)	31(663)	62.1	Tetralin								

Version: May2011
Contract/Lab: All Laboratories
Species: MICE
Strain: B6C3F1
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: Benign Tumors								
		36/50 (72%)	33/50 (66%)	42/50 (84%)		22/50 (44%)	25/50 (50%)	24/50 (48%)
Overall Incidence	Total	111/150 (74%)	Mean 74%	SD 9.17%	Total	71/150 (47.33%)	Mean 47.33%	SD 3.06%
#All Organs: Malignant Tumors								
Overall Incidence	Total	30/50 (60%) 92/150 (61.33%)	36/50 (72%) Mean 61.33%	26/50 (52%) SD 10.07%	Total	33/50 (66%) 83/150 (55.33%)	23/50 (46%) Mean 55.33%	27/50 (54%) SD 10.07%
#All Organs: Malignant and Benign Tum	ors		40/50 (0001)				44/50 (000/)	40/50 (000())
	Total	47/50 (94%)	48/50 (96%)	47/50 (94%)	Total	42/50 (84%)	41/50 (82%)	40/50 (80%) SD 2%
Overall Incidence	Total	142/150 (94.67%)	Mean 94.67%	SD 1.15%	Total	123/150 (82%)	Mean 82%	SD 2%
#All Organs: Hemangioma								
.		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%
#All Organs: Hemangiosarcoma								
		2/50 (4%)	7/50 (14%)	4/50 (8%)		4/50 (8%)	5/50 (10%)	2/50 (4%)
Overall Incidence	Total	13/150 (8.67%)	Mean 8.67%	SD 5.03%	Total	11/150 (7.33%)	Mean 7.33%	SD 3.06%
#All Organs: Hemangiosarcoma or Hema	angioma							
o	T	2/50 (4%)	7/50 (14%)	5/50 (10%)	-	4/50 (8%)	5/50 (10%)	2/50 (4%)
Overall Incidence	Total	14/150 (9.33%)	Mean 9.33%	SD 5.03%	Total	11/150 (7.33%)	Mean 7.33%	SD 3.06%

*: Denominator is number of animals with tissues examined microscopically

Version: May2011 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC	Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR							Page: 156 Report Date: 05/04/2011		
			Male				Female			
#All Organs: Histiocytic Sarcoma										
		0/50 (0%)	1/50 (2%)	0/50 (0%)		1/50 (2%)	1/50 (2%)	2/50 (4%)		
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	4/150 (2.67%)	Mean 2.67%	SD 1.15%		
#All Organs: Malignant Lymphoma: Histi						17/50 (34%)	8/50 (16%)	12/50 (24%)		
Overall Incidence	Total	6/150 (4%)	Mean 4%	SD 0%	Total	37/150 (24.67%)	Mean 24.67%	SD 9.02%		
#All Organs:										
Mesothelioma: Benign				0/50 (00/)		0/50 (0%)	0/50 (0%)	0/50 (0%)		
•		0/50 (0%)	0/50 (0%)	0/50 (0%)			0/00 (0/0)	0/00 (0/0)		

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%
II Organs: Osteoma								
verall Incidence	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	0/150 (0%)	Mean 0%	SD 0%
\ll Organs: Mesothelioma: Malignant		0/50 (0%)	1/50 (2%)	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%
Mesothelioma: Benign, Mal	ignant, NOS	; 0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)

#: Denominator is number of animals necropsied

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

Vehicle: AIR

			Male				Female	
#All Organs: Osteosarcoma		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%
#All Organs: Osteosarcoma or Osteon		1/50 (2%)						0/50 (0%)
Overall Incidence	Total	1/150 (0.67%)	Mean 0.67%	0/50 (0%) SD 1.15%	Total	0/150 (0%)	0/50 (0%) Mean 0%	SD 0%
Adrenal Cortex: Adenoma								
Overall Incidence	Total	4/49 (8%) 12/148 (8.11%)	6/50 (12%) Mean 8.08%	2/49 (4%) SD 3.96%	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%
Adrenal Cortex: Plasma Cell Tumor Malig	nant	0/49 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/148 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Adrenal Medulla: Pheochromocytoma Beni								
Overall Incidence	Total	1/50 (2%) 2/147 (1.36%)	0/50 (0%) Mean 1.38%	1/47 (2%) SD 1.19%	Total	3/50 (6%) 3/150 (2%)	0/50 (0%) Mean 2%	0/50 (0%) SD 3.46%
Adrenal Medulla: Pheochromocytoma Mali	gnant							
Overall Incidence	Total	0/50 (0%) 0/147 (0%)	0/50 (0%) Mean 0%	0/47 (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

Version: May2011 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Toxicol Tumor Inciden		Page: 158 Report Date: 05/04/2011				
			Male		Female				
*Adrenal Medulla: Pheochromocytoma: Benig	ın, Complex	α, Malignant, NOS 1/50 (2%)	0/50 (0%)	1/47 (2%)		4/50 (8%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	2/147 (1.36%)	Mean 1.38%	SD 1.19%	Total	4/150 (2.67%)	Mean 2.67%	SD 4.62%	
*Bone Marrow: Hemangioma		0/48 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/148 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
*Bone Marrow: Hemangiosarcoma		0/48 (0%)	2/50 (4%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	1/50 (2%)	
Overall Incidence	Total	2/148 (1.35%)	Mean 1.33%	SD 2.31%	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%	
*Bone Marrow: Plasma Cell Tumor Maligna		0/48 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence	Total	0/148 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%	
#Bone: Hemangiosarcoma		0/50 (0%)	1/50 (2%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	1/50 (2%)	
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	Mean 0.67%	SD 1.15%	Total	2/150 (1.33%)	Mean 1.33%	1/50 (2%) SD 1.15%	
#Bone: Osteoma		0/50 (0%/)	0/50 /0%/)	0/50 (0%)		0/50 (0%)	0/50 (00/.)	0/50 (0%)	
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%	

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

Vehicle: AIR

			Male				Female	
#Bone: Osteosarcoma		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%
#Bone: Osteosarcoma or Osteoma						0/50 (00/)	0/50 (00/)	0/50 (00/)
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%
Brain: Meningioma Benign								
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%
Brain: Meningioma Malignant		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%
Brain: Meningioma: Benign, Malig								
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%
Brain: Oligodendroglioma Maligna								
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

Version: May2011
Contract/Lab: All Laboratories
Species: MICE
Strain: B6C3F1
Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

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Vehicle: AIR

			Male				Female						
*Brain: Oligodendroglioma, Glioma, or Astrocytoma													
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%					
Brain: Schwannoma 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%					
Clitoral/Preputial Gland: Adenoma													
Overall Incidence	Total	0/49 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/46 (0%) 0/138 (0%)	0/46 (0%) Mean 0%	0/46 (0%) SD 0%					
Clitoral/Preputial Gland: Carcinoma													
Overall Incidence	Total	0/49 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/46 (0%) 0/138 (0%)	0/46 (0%) Mean 0%	0/46 (0%) SD 0%					
Clitoral/Preputial Gland: Carcinoma or Adenoma													
Overall Incidence	Total	0/49 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/46 (0%) 0/138 (0%)	0/46 (0%) Mean 0%	0/46 (0%) SD 0%					
Clitoral/Preputial Gland: Hemangioma													
Overall Incidence	Total	0/49 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/46 (0%) 0/138 (0%)	0/46 (0%) Mean 0%	0/46 (0%) SD 0%					

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

Vehicle: AIR

			Male				Female	
Clitoral/Preputial Gland: Hemangiosarcoma		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/46 (0%)	0/46 (0%)	0/46 (0%)
Overall Incidence	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/138 (0%)	Mean 0%	SD 0%
#Esophagus: Squamous Cell Carcinoma						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%
Æye: Sarcoma								
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%
Harderian Gland: Adenoma								
Overall Incidence	Total	7/50 (14%) 13/150 (8.67%)	4/50 (8%) Mean 8.67%	2/50 (4%) SD 5.03%	Total	3/50 (6%) 7/150 (4.67%)	3/50 (6%) Mean 4.67%	1/50 (2%) SD 2.31%
Harderian Gland: Carcinoma								
S	T . (.)	3/50 (6%)	4/50 (8%)	3/50 (6%)	T . (.)	2/50 (4%)	2/50 (4%)	1/50 (2%)
Overall Incidence	Total	10/150 (6.67%)	Mean 6.67%	SD 1.15%	Total	5/150 (3.33%)	Mean 3.33%	SD 1.15%
#Harderian Gland: Carcinoma or Adenoma								
Overall Incidence	Total	10/50 (20%) 23/150 (15.33%)	8/50 (16%) Mean 15.33%	5/50 (10%) SD 5.03%	Total	5/50 (10%) 12/150 (8%)	5/50 (10%) Mean 8%	2/50 (4%) SD 3.46%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

Vehicle: AIR

			Male				Female	
#Harderian 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%
Heart: Hemangiosarcoma		0/50 (0%)	1/50 (2%)	0/50 (0%)		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%
fIntestine Large: Cecum: Adenoma								
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 Large: Cecum: 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%
Intestine Large: Cecum: Carcinoma or Adenoma								
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 Large: Cecum: Leiomyoma								
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%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

Vehicle: AIR

			Male				Female	
#Intestine Large: Colon/Rectu Leiomyosarcoma	m:							
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%
Intestine Small: Duodenum: Adenoma								
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%
ntestine Small: Duodenum: Carcinoma		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%
ntestine Small: Duodenum: Leiomyosarcoma								4/50 (0%)
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%
ntestine Small: Duodenum: Polyp Adenomatous								
verall 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%
Intestine Small: Ileum: 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%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

Vehicle: AIR

			Male				Female	
#Intestine Small: Ileum: 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%
		0/150 (0%)		3D 0%	TULAI	0/130 (0%)		3D 0%
#Intestine Small: Ileum: Polyp Adenomatous		0/50 (0)()	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%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%
						· · · · · · · · · · · · · · · · · · ·		
#Intestine Small: Jejunum: Adenoma		0/50 (00/)		0/50 (00/)		0/50 (0)()	0/50 (00/)	0/50 (00/)
	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%
Intestine Small: Jejunum: Carcinoma		4/50 (00/)	2/50 (49/)	0/50 (0%)		0/50 (0%)		
Overall Incidence	Total	4/50 (8%) 6/150 (4%)	2/50 (4%) Mean 4%	0/50 (0%) SD 4%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Intestine Small: Jejunum: 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%
#Intestine Small: Jejunum: Leiomyosarcoma								
		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

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male					Female	
#Intestine Small: Site Unsp Adenoma	ecified:	0/50 / (001)	0/50 /00/1	0/50	(20())		0/50 (00%)	0/50 (00/.)	0/50 /00/1
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 SD 0%	(0%)	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Intestine Small: Site Unsp Carcinoma									
Overall Incidence	Total	4/50 (8%) 6/150 (4%)	2/50 (4%) Mean 4%	0/50 SD 4%	(0%)	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Intestine Small: Site Unsp Carcinoma or Adenoma	ecified:	1/50 (001)	0/50 (463)	0/50	(00()		0/50 (00%)	0/50 (00/.)	0/50 (00)
Overall Incidence	Total	4/50 (8%) 6/150 (4%)	2/50 (4%) Mean 4%	0/50 SD 4%	(0%)	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Intestine Small: Site Unsp Hemangiosarcoma									
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 SD 0%	(0%)	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Intestine Small: Site Unsp Leiomyosarcoma									
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%
#Intestine Small: Site Unsp Polyp Adenomatous	ecified:		- /	- /= r	(00())		- /=- · · · · · ·		
Overall Incidence	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 SD 1.15%	(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

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

Vehicle: AIR

			Male				Female	
*Islets, Pancreatic: Adenoma		2/42 (22/)	0/50 / //0/)	2/42 /42()		0/50 (00/)	0/50 (00/)	0/50 (00/)
Overall Incidence	Total	0/48 (0%) 4/147 (2.72%)	2/50 (4%) Mean 2.69%	2/49 (4%) SD 2.33%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
'Islets, Pancreatic: Carcinoma								
Overall Incidence	Total	0/48 (0%) 0/147 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Islets, Pancreatic: Carcinoma or Adenoma		0/40 (0%)	0/50 (40/)	0/40 (49/)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/48 (0%) 4/147 (2.72%)	2/50 (4%) Mean 2.69%	2/49 (4%) SD 2.33%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Kidney: Renal Tubule: Adenoma		0/40 (0%/)	0/50 (00/)	0/40 (00%)		0/50 (0)()	0/50 (00/)	0/50 (00/)
Overall Incidence	Total	0/49 (0%) 0/148 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Kidney: Renal Tubule: Carcinoma								
Overall Incidence	Total	0/49 (0%) 0/148 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Kidney: Renal Tubule: Carcinoma or Adenoma								
		0/49 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/148 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

Vehicle: AIR

			Male				Female	
Kidney: Renal Tubule: Hemangioma								
Overall Incidence	Total	0/49 (0%) 0/148 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Kidney: Renal Tubule: Hemangiosarcoma								
Overall Incidence	Total	0/49 (0%) 0/148 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Kidney: Renal Tubule: Plasma Cell Tumor Malig	jnant	0/49 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/148 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
Kidney: Renal Tubule: Sarcoma			0/50 (0)()	0/40 (0%)		0/50 (0)()	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/49 (0%) 0/148 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Liver: Fibrous Histiocytoma								
Overall Incidence	Total	0/50 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Liver: Hemangioma								
Overall Incidence	Total	0/50 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/49 (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

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

Vehicle: AIR

			Male				Female	
*Liver: Hemangiosarcoma		1/50 (2%)	2/50 (4%)	1/49 (2%)		0/50 (0%)	1/50 (2%)	2/50 (4%)
Overall Incidence	Total	4/149 (2.68%)	Mean 2.68%	SD 1.14%	Total	3/150 (2%)	Mean 2%	SD 2%
'Liver: Hepatoblastoma								
Overall Incidence	Total	1/50 (2%) 2/149 (1.34%)	1/50 (2%) Mean 1.33%	0/49 (0%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Liver: Hepatocellular Adenoma								
Overall Incidence	Total	30/50 (60%) 91/149 (61.07%)	28/50 (56%) Mean 61.12%	33/49 (67%) SD 5.76%	Total	19/50 (38%) 47/150 (31.33%)	14/50 (28%) Mean 31.33%	14/50 (28%) SD 5.77%
Liver: Hepatocellular Carcinoma								
Overall Incidence	Total	15/50 (30%) 46/149 (30.87%)	20/50 (40%) Mean 30.82%	11/49 (22%) SD 8.8%	Total	5/50 (10%) 16/150 (10.67%)	4/50 (8%) Mean 10.67%	7/50 (14%) SD 3.06%
Liver: Hepatocellular Carcinoma		lastoma						
Overall Incidence	Total	16/50 (32%) 47/149 (31.54%)	20/50 (40%) Mean 31.48%	11/49 (22%) SD 8.79%	Total	5/50 (10%) 16/150 (10.67%)	4/50 (8%) Mean 10.67%	7/50 (14%) SD 3.06%
Liver: Hepatocellular Carcinoma d			40/50 (80%)	37/49 (76%)		24/50 (48%)	16/50 (32%)	20/50 (40%)
Overall Incidence	Total	115/149 (77.18%)	40/50 (80%) Mean 77.17%	SD 2.46%	Total	60/150 (40%)	Mean 40%	SD 8%

*: Denominator is number of animals with tissues examined microscopically

Version: May2011 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				ogy Data Management ace for Selected Control A Route: INHALATION Vehicle: AIR	-		Page: 169 Report Da) ate: 05/04/2011
			Male				Female	
*Liver: Hepatocellular Carcinoma,	-	38/50 (76%)	40/50 (80%)	37/49 (76%)	-	24/50 (48%)	16/50 (32%)	20/50 (40%)
Overall Incidence	Total	115/149 (77.18%)	Mean 77.17%	SD 2.46%	Total	60/150 (40%)	Mean 40%	SD 8%
*Liver: Hepatocholangiocarcinoma Overall Incidence		1/50 (2%)	0/50 (0%) Mean 0.67%	0/49 (0%) SD 1.15%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
	Total	1/149 (0.67%)				()		
*Liver: Hepatocholangioma Overall Incidence	Total	0/50 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
*Liver: Ito Cell Tumor Benign Overall Incidence	Total	0/50 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
*Liver: Ito Cell Tumor Malignant		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
*Liver: Plasma Cell Tumor Maligna	ant	0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

Vehicle: AIR

			Male				Female	
*Liver: Sarcoma		0/50 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
′Lung: Alveolar/Bronchiolar Ad								
Overall Incidence	Total	6/50 (12%) 20/150 (13.33%)	4/50 (8%) Mean 13.33%	10/50 (20%) SD 6.11%	Total	1/50 (2%) 9/150 (6%)	2/50 (4%) Mean 6%	6/50 (12%) SD 5.29%
Lung: Alveolar/Bronchiolar Ca								
Overall Incidence	Total	8/50 (16%) 31/150 (20.67%)	12/50 (24%) Mean 20.67%	11/50 (22%) SD 4.16%	Total	0/50 (0%) 3/150 (2%)	3/50 (6%) Mean 2%	0/50 (0%) SD 3.46%
Lung: Alveolar/Bronchiolar Ca	rcinoma or Al	veolar/Bronchiolar Adeno 13/50 (26%)	• ma 15/50 (30%)	20/50 (40%)		1/50 (2%)	5/50 (10%)	6/50 (12%)
Overall Incidence	Total	48/150 (32%)	Mean 32%	SD 7.21%	Total	12/150 (8%)	Mean 8%	SD 5.29%
Lung: Fibrosarcoma								
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%
Lung: Fibrous Histiocytoma								
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

Version: May2011
Contract/Lab: All Laboratories
Species: MICE
Strain: B6C3F1
Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

Vehicle: AIR

			Male				Female	
[•] Lung: Hemangiosarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	1/50 (2%)
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%
'Lung: Plasma Cell Tumor Malign	ant							
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%
'Lung: Sarcoma								
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%
لالسلالية للسلام. Fibrous Histiocytoma		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: 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%
≮Lymph Node: 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%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

Vehicle: AIR

			Male				Female	
#Lymph Node: Plasma Cell Tumor Malignar	nt							
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%
Lymph Node: Sarcoma				- / / / /			- / /)	
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%
Lymph Node, Bronchial: Hemangiosarcoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (20())	0/50 (0%)
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%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%
_ymph Node, Mandibular: Fibrous Histiocytoma		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%
₋ymph Node, Mandibular: Hemangiosarcoma								
verall 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%
Lymph Node, Mandibular: 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%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

Vehicle: AIR

			Male				Female	
#Lymph Node, Mandibular: Plasma Cell Tumor Maligr	nant							
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%
						0/100 (0/0)		
Lymph Node, Mesenteric: Fibrous Histiocytoma		0/50 (00/)	0/50 (00/)	0/50 (00/)		0/50 (0%)	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%
Lymph Node, Mesenteric: 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%
Lymph Node, Mesenteric: Hemangiosarcoma								
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%)	1/50 (2%) Mean 0.67%	0/50 (0%) SD 1.15%
Lymph Node, Mesenteric: Plasma Cell Tumor Maligr	nant							
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%
#Mammary Gland: Adenoacanthoma								
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

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

Vehicle: AIR

			Male				Female				
#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%			
#Mammary Gland: Carcinoma											
		0/50 (0%)	0/50 (0%)	0/50 (0%)		2/50 (4%)	4/50 (8%)	1/50 (2%)			
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	7/150 (4.67%)	Mean 4.67%	SD 3.06%			
Mammary Gland: Carcinoma or Adenoma		0/50 (0%)		0/50 (00/.)		2/50 (40/)	4/50 (89/)	1/50 (20/)			
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	2/50 (4%) 7/150 (4.67%)	4/50 (8%) Mean 4.67%	1/50 (2%) SD 3.06%			
		. ,			10tai	7/150 (4.0776)					
Mammary Gland: Fibroadenoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		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%			
Mammary Gland: Fibroma, Fibroadenoma or	Adenoma										
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)			
Verall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%			
Mammary Gland: Fibroma, Fibroadenoma, C	arcinoma, or										
		0/50 (0%)	0/50 (0%)	0/50 (0%)		2/50 (4%)	5/50 (10%)	1/50 (2%)			
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%	Total	8/150 (5.33%)	Mean 5.33%	SD 4.16%			

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

Vehicle: AIR

			Male				Female	
#Mesentery: Fibrosarcoma		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%
#Mesentery: Hemangioma		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%
#Mesentery: Hemangiosarcoma		0/50 (00/)	4/50 (00/)	0/50 (0	~^^	4/50 (00/)	0/50 (404)	4/50 (00/)
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	1/50 (2%) Mean 0.67%	0/50 (0 SD 1.15%	%) Total	1/50 (2%) 4/150 (2.67%)	2/50 (4%) Mean 2.67%	1/50 (2%) SD 1.15%
Mesentery: Sarcoma								
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%
Nose: Hemangiosarcoma								
Overall Incidence	Total	0/50 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/49 (0 SD 0%	%) Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Nose: Mast Cell Tumor Malignant								
Overall Incidence	Total	0/50 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/49 (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

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

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			Male					Female				
#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva): Squamous Cell Carcinoma												
		0/50 (0%)	0/50 (0%)	0/50	(0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)			
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%		Total	0/150 (0%)	Mean 0%	SD 0%			
Oral Cavity (Oral Mucos	a, Tongue, Phary	ynx, Tooth, Gingiva): Squamous, or Papilloma										
		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%			
#Oral Mucosa: Squamous Cell Carcino	oma	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%	(0,0)	Total	0/150 (0%)	Mean 0%	SD 0%			
Ovary: Choriocarcinoma Overall Incidence						Total	0/50 (0%) 0/149 (0%)	0/49 (0%) Mean 0%	0/50 (0%) SD 0%			
*Ovary: Cystadenocarcinoma							0/50 (0%)	0/49 (0%)	0/50 (0%)			
Overall Incidence						Total	0/50 (0%) 0/149 (0%)	Mean 0%	0/50 (0%) SD 0%			
Ovary: Cystadenoma												
							3/50 (6%)	3/49 (6%)	2/50 (4%)			
Overall Incidence						Total	8/149 (5.37%)	Mean 5.37%	SD 1.19%			

*: Denominator is number of animals with tissues examined microscopically

Version: May2011 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC	Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR		Page: 177 Report Da	te: 05/04/2011		
	Male	Female				
*Ovary:						
Fibrous Histiocytoma		0/50 (0%)	0/49 (0%)	0/50 (0%)		
Overall Incidence	Total	0/149 (0%)	Mean 0%	SD 0%		
*Ovary: Granulosa Cell Tumor Benign						
		0/50 (0%)	0/49 (0%)	0/50 (0%)		
Overall Incidence	Total	0/149 (0%)	Mean 0%	SD 0%		
*Ovary: Granulosa Cell Tumor Malignant						
Overall Incidence	Total	0/50 (0%) 0/149 (0%)	0/49 (0%) Mean 0%	0/50 (0%) SD 0%		
'Ovary: Granulosa Cell Tumor: Benign, Malignant, NOS						
Granulosa Cell Tunior. Denign, Manghant, NOS		0/50 (0%)	0/49 (0%)	0/50 (0%)		
Overall Incidence	Total	0/149 (0%)	Mean 0%	SD 0%		
*Ovary: Hemangioma						
		0/50 (0%)	0/49 (0%)	0/50 (0%)		
Overall Incidence	Total	0/149 (0%)	Mean 0%	SD 0%		
*Ovary: Hemangiosarcoma						
		0/50 (0%)	1/49 (2%)	0/50 (0%)		
Overall Incidence	Total	1/149 (0.67%)	Mean 0.68%	SD 1.18%		
*: Denominator is number of animals with tissues examined microscopically						

Version: May2011 Contract/Lab: All Laboratories	5		Toxicolo Tumor Incidenc	gy Data Man te for Selected	Page: 178 Report Date: 05/04/2011				
Species: MICE				Route: INHA		•		·	
Strain: B6C3F1				Vehicle:	AIR				
Length of Study: CHRONIC									
			Male					Female	
*Ovary: Luteoma							1/50 (00/)	0/40 /00/)	(20)
Overall Incidence					Tota		1/50 (2%) 2/149 (1.34%)	0/49 (0%) Mean 1.33%	1/50 (2%) SD 1.15%
*Ovary: Plasma Cell Tumor Maligna									
Overall Incidence					Tota		0/50 (0%) 0/149 (0%)	0/49 (0%) Mean 0%	0/50 (0%) SD 0%
*Ovary: Teratoma Benign									
Overall Incidence					Tota		0/50 (0%) 1/149 (0.67%)	0/49 (0%) Mean 0.67%	1/50 (2%) SD 1.15%
'Ovary: Teratoma Malignant									
Overall Incidence					Tot		0/50 (0%) 1/149 (0.67%)	0/49 (0%) Mean 0.67%	1/50 (2%) SD 1.15%
'Ovary: Tubulostromal Adenoma									
Overall Incidence					Tot		0/50 (0%) 0/149 (0%)	0/49 (0%) Mean 0%	0/50 (0%) SD 0%
*Pancreas: Adenoma									
Overall Incidence	Total	0/48 (0%) 0/147 (0%)	0/50 (0%) Mean 0%	0/49 SD 0%	(0%) Tota	al	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

Vehicle: AIR

Overall Incidence Total 1/147 (0.68%) Mean 0.69% SD 1.2% Total 0/150 (0%) Mean 0 *Pancreas: Carcinoma or Adenoma 1/48 (2%) 0/50 (0%) 0/49 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) Overall Incidence Total 1/147 (0.68%) Mean 0.69% SD 1.2% Total 0/150 (0%) 0/50 (0%) Overall Incidence Total 1/147 (0.68%) Mean 0.69% SD 1.2% Total 0/150 (0%) 0/50 (0%) *Pituitary Gland: Pars Distalis or Unspecified Site: Adenoma 1/46 (2%) 0/50 (0%) 0/50 (0%) 5/46 (11%) 10/50 (20 Overall Incidence Total 1/146 (0.68%) Mean 0.72% SD 1.26% Total 21/145 (14.48%) Mean 14. *Pituitary Gland: Pars Distalis or Unspecified Site: Carcinoma 0/46 (0%) 0/50 (0%) 0/50 (0%) 1/46 (2%) 0/50 (0%) *Pituitary Gland: Pars Distalis or Unspecified Site: Carcinoma 1/146 (2%) 0/50 (0%) 0/50 (0%) Total 1/145 (0.69%) Mean 0.<				Male				Female	
Overall Incidence Total 1/147 (0.68%) Mean 0.69% SD 1.2% Total 0/150 (0%) Mean 0.750 Mean			1/48 (2%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Carcinoma or Adenoma 1/48 (2%) 0/50 (0%) 0/49 (0%) 0/50 (0%) 0/50 (0%) Overall Incidence Total 1/147 (0.68%) Mean 0.69% SD 1.2% Total 0/150 (0%) Mean 0. "Pituitary Gland: Pars Distalis or Unspecified Site: 1/46 (2%) 0/50 (0%) 0/50 (0%) 5/46 (11%) 10/50 (2%) Overall Incidence Total 1/146 (0.68%) Mean 0.72% SD 1.26% Total 21/145 (14.48%) Mean 14. "Pituitary Gland: Pars Distalis or Unspecified Site: 0/46 (0%) 0/50 (0%) 1/46 (2%) 0/50 (0%) 1/46 (2%) 0/50 (0%) Mean 0. "Pituitary Gland: Pars Distalis or Unspecified Site: 1/46 (2%) 0/50 (0%) Mean 0.	Overall Incidence	Total	()	()		Total		Mean 0%	SD 0%
Deverall Incidence Total 1/147 (0.68%) Mean 0.69% SD 1.2% Total 0/150 (0%) Mean 0.750 (0%) Pituitary Gland: Pars Distalis or Unspecified Site: Adenoma 1/46 (2%) 0/50 (0%) 0/50 (0%) 5/46 (11%) 10/50 (20 Overall Incidence Total 1/146 (0.68%) Mean 0.72% SD 1.26% Total 21/145 (14.48%) Mean 14 Pituitary Gland: Pars Distalis or Unspecified Site: Carcinoma 0/46 (0%) 0/50 (0%) 0/50 (0%) 1/46 (2%) 0/50 (0%) Overall Incidence Total 0/146 (0%) Mean 0% SD 0% Total 1/145 (0.69%) Mean 0. Pituitary Gland: Pars Distalis or Unspecified Site: Carcinoma 0/46 (0%) Mean 0% SD 0% Total 1/145 (0.69%) Mean 0. Pituitary Gland: Pars Distalis or Unspecified Site: Carcinoma or Adenoma 1/46 (2%) 0/50 (0%) 0/50 (0%) 6/46 (13%) 10/50 (20 Overall Incidence Total 1/146 (0.68%) Mean 0.72% SD 1.26% Total 22/145 (15.17%) Mean 15		a							
Pituitary Gland: Pars Distalis or Unspecified Site: 1/46 (2%) 0/50 (0%) 0/50 (0%) 5/46 (11%) 10/50 (20 Overall Incidence Total 1/146 (0.68%) Mean 0.72% SD 1.26% Total 21/145 (14.48%) Mean 14 "Pituitary Gland: Pars Distalis or Unspecified Site: Carcinoma 0/46 (0%) 0/50 (0%) 0/50 (0%) 1/46 (2%) 0/50 (0%) Overall Incidence Total 0/146 (0%) Mean 0% SD 0% Total 1/145 (0.69%) Mean 0.75% Overall Incidence Total 0/146 (0%) Mean 0% SD 0% Total 1/145 (0.69%) Mean 0.75% "Pituitary Gland: Pars Distalis or Unspecified Site: Carcinoma or Adenoma 1/146 (2%) 0/50 (0%) 6/46 (13%) 10/50 (20 "Overall Incidence Total 1/146 (0.68%) Mean 0.72% SD 1.26% Total 22/145 (15.17%) Mean 15			1/147 (0.68%)	Mean 0.69%	()	Total		0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Dverall Incidence Total 1/146 (0.68%) Mean 0.72% SD 1.26% Total 21/145 (14.48%) Mean 14. Pituitary Gland: Pars Distalis or Unspecified Site: 0/46 (0%) 0/50 (0%) 0/50 (0%) 1/46 (2%) 0/50 (0%) Overall Incidence Total 0/146 (0%) 0/50 (0%) 0/50 (0%) 1/46 (2%) 0/50 (0%) Overall Incidence Total 0/146 (0%) Mean 0% SD 0% Total 1/145 (0.69%) Mean 0. Pituitary Gland: Pars Distalis or Unspecified Site: Carcinoma or Adenoma 1/46 (2%) 0/50 (0%) 0/50 (0%) 6/46 (13%) 10/50 (20 Overall Incidence Total 1/146 (0.68%) Mean 0.72% SD 1.26% Total 22/145 (15.17%) Mean 15	Pituitary Gland: Pars Dis								
*Pituitary Gland: Pars Distalis or Unspecified Site: Carcinoma 0/46 (0%) 0/50 (0%) 1/46 (2%) 0/50 (0%) Overall Incidence Total 0/146 (0%) Mean 0% SD 0% Total 1/145 (0.69%) Mean 0.7 *Pituitary Gland: Pars Distalis or Unspecified Site: Carcinoma or Adenoma 1/46 (2%) 0/50 (0%) 0/50 (0%) 6/46 (13%) 10/50 (20 Overall Incidence Total 1/146 (0.68%) Mean 0.72% SD 1.26% Total 22/145 (15.17%) Mean 15			1/146 (0.68%)	Mean 0.72%	SD 1.26%		21/145 (14.48%)	Mean 14.37%	6/49 (12%) SD 4.92%
Dverall Incidence Total 0/146 (0%) Mean 0% SD 0% Total 1/145 (0.69%) Mean 0.7 'Pituitary Gland: Pars Distalis or Unspecified Site: Carcinoma or Adenoma 1/46 (2%) 0/50 (0%) 0/50 (0%) 6/46 (13%) 10/50 (20 Overall Incidence Total 1/146 (0.68%) Mean 0.72% SD 1.26% Total 22/145 (15.17%) Mean 15	Pituitary Gland: Pars Dis								
Carcinoma or Adenoma 1/46 (2%) 0/50 (0%) 0/50 (0%) 6/46 (13%) 10/50 (20 Overall Incidence Total 1/146 (0.68%) Mean 0.72% SD 1.26% Total 22/145 (15.17%) Mean 15	Overall Incidence	Total	()	()	()	Total		0/50 (0%) Mean 0.72%	0/49 (0%) SD 1.26%
Dverall Incidence Total 1/146 (0.68%) Mean 0.72% SD 1.26% Total 22/145 (15.17%) Mean 15	•	•	ified Site:						
			1/146 (0.68%)	Mean 0.72%	SD 1.26%		22/145 (15.17%)	10/50 (20%) Mean 15.1%	6/49 (12%) SD 4.27%
Adenoma	Pituitary Gland: Pars Inte								
		Total		()		Totol		2/50 (4%) Mean 2.01%	1/49 (2%) SD 2%

*: Denominator is number of animals with tissues examined microscopically

Version: May2011 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				bgy Data Management ce for Selected Control Route: INHALATION Vehicle: AIR		Page: 180 Report Date: 05/04/2011					
			Male		Female						
*Pituitary Gland: Pars Intermedia: Carcinoma or Adenoma 0/46 (0%) 0/50 (0%) 0/50 (0%) 0/46 (0%) 2/50 (4%) 1/49 (2%)											
Overall Incidence	Total	0/46 (0%) 0/146 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/46 (0%) 3/145 (2.07%)	2/50 (4%) Mean 2.01%	1/49 (2%) SD 2%			
*Prostate: Adenoma		0/40 (0%)	0/50 (00/)	0/40 (0%)							
Overall Incidence	Total	0/49 (0%) 0/148 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%							
*Prostate: Carcinoma or Adenoma Overall Incidence	Total	0/49 (0%) 0/148 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%							
*Prostate: Hemangioma		0/49 (0%)	0/50 (0%)	0/49 (0%)							
Overall Incidence	Total	0/148 (0%)	Mean 0%	SD 0%							
*Salivary Glands: Adenoma		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)			
Overall Incidence	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/149 (0%)	Mean 0%	SD 0%			
*Salivary Glands: Carcinoma or Adenoma		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)			
Overall Incidence	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/149 (0%)	Mean 0%	SD 0%			

Version: May2011 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Toxicol Tumor Incider		Page: 181 Report Date: 05/04/2011				
			Male		Female				
*Salivary Glands: Mast Cell Tumor Malignant		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)	
Overall Incidence	Total	0/149 (0%)	Mean 0%	SD 0%	Total	0/149 (0%)	Mean 0%	SD 0%	
#Seminal Vesicle: Adenoma									
Overall Incidence	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%					
#Skeletal Muscle: Fibrosarcoma						0/50 (0%)	0/50 (00/)	0/50 (0%)	
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%	
#Skeletal Muscle: 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%	
#Skeletal Muscle: Myxosarcoma									
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%	
#Skeletal Muscle: Rhabdomyosarcoma		0/50 (00/)	0/50 (00/)	0/50 (0%)		0/50 (0%)	0/50 (201)	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%	

Version: May2011
Contract/Lab: All Laboratories
Species: MICE
Strain: B6C3F1
Length of Study: CHRONIC

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

Vehicle: AIR

			Male				Female					
#Skeletal Muscle: Rhabdomyosarcoma or Rhabdomyoma												
		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%				
#Skeletal Muscle: 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%				
#Skin: Basal Cell Adenoma or	[.] Basosquamous	Tumor Benign 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%				
∕\$kin:		ımor Benign, or Trichoep	ithelioma									
0	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)	T . (.)	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: Basal Cell 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%				
#Skin: Basal Cell Carcinoma (or Basosquamous	s Tumor (malignant or NO	DS)									
	-	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

Version: May2011 Contract/Lab: All Laborator Species: MICE Strain: B6C3F1 Length of Study: CHRONIC	ct/Lab: All Laboratories Tumor Incidence for Selected Control Animal Groups s: MICE Route: INHALATION B6C3F1 Vehicle: AIR						Page: 183 Report Da	te: 05/04/2011
			Male				Female	
#Skin: Basal Cell Carcinoma, B NOS), or Trichoepithelio		oma, Basosquamous Tum	nor (benign, malignan	t or				
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: Basal or Sq. Cell Carcino Adenoma, Papilloma, So	oma, Carcinom	a, Basosq. Tumor (M or B ratoacanthoma, Trichoepi 0/50 (0%)), Basal Cell Adenom	a, 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: Basosquamous Tumor E		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: Fibroma		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: Fibroma, Fibrosarcoma,	Sarcoma, Myx	oma, Myxosarcoma, or Fil						
Overall Incidence	Total	0/50 (0%) 3/150 (2%)	1/50 (2%) Mean 2%	2/50 (4%) SD 2%	Total	8/50 (16%) 13/150 (8.67%)	4/50 (8%) Mean 8.67%	1/50 (2%) SD 7.02%
#Skin: Fibrosarcoma		0/50 (0%)	0/50 (0%)	0/50 (00/.)		0/50 /09/)	0/50 (0%)	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%

Version: May2011 Contract/Lab: All Laborator Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				logy Data Management Ince for Selected Control A Route: INHALATION Vehicle: AIR		Page: 184 Report Date: 05/04/2011		
			Male				Female	
#Skin: Fibrosarcoma, Sarcoma Overall Incidence	Myxosarcom a Total	a, or Fibrous Histiocytom 0/50 (0%) 3/150 (2%)	a 1/50 (2%) Mean 2%	2/50 (4%) SD 2%	Total	8/50 (16%) 13/150 (8.67%)	4/50 (8%) Mean 8.67%	1/50 (2%) SD 7.02%
#Skin: Fibrous Histiocytoma Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%
#Skin: Granular Cell Tumor Ber Overall Incidence		. ,				· · · ·		
#Skin: Hemangioma 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: Hemangiosarcoma Overall Incidence	Total	0/50 (0%) 3/150 (2%)	1/50 (2%) Mean 2%	2/50 (4%) SD 2%	Total	1/50 (2%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	0/50 (0%) SD 1.15%
#Skin: Keratoacanthoma 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%

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

Vehicle: AIR

			Male					Female	
≇Skin: Lipoma		0/50 (00/)	0/50 (09/)	0/50	(00())		0/50 (0%)	0/50 (00/)	0/50 /00/)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 SD 0%	(0%)	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Skin: Mast Cell Tumor Benign		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%	(0 %)	Total	0/150 (0%)	Mean 0%	SD 0%
∜Skin: 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%	(0 %)	Total	0/150 (0%)	Mean 0%	SD 0%
Skin: Melanoma Benign		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 SD 0%	(0%)	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Skin: Melanoma Malignant									
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 SD 0%	(0%)	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
∕Skin: Myxosarcoma		0/50 (001)	0/50 (0%)	0/50	(00()		0/50 (0%)	0/50 (00/.)	0/50 /00/)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 SD 0%	(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

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

Vehicle: AIR

			Male				Female	
#Skin: Neural Crest 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%
fSkin: Neurofibroma or Schwa	annoma 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 S		nalignant or NOS)						
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%
		Schwannoma (benign, ma 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: Osteosarcoma								
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: Sarcoma				1/50 (2%)		7/50 (14%)	4/50 (8%)	1/50 (2%)
Sarcoma		0/50 (0%)	1/50 (2%)					

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

Vehicle: AIR

			Male				Female	
#Skin: Schwannoma Benign		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: Schwannoma 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%
#Skin: Squamous Cell Carcinoma, or Carcinoma	Basal Cell C	arcinoma, Basosquamor 0/50 (0%)	us Tumor (malignant o	or NOS), 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 Papilloma		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 Papilloma o	r Papilloma		0/50 (00/)	0/50 (0%/)		0/50 (00/)	0/50 (0%/)	0/50 (0%())
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: Squamous Cell Papilloma, I	Papilloma, Sc	uamous Cell Carcinoma 0/50 (0%)	or Keratoacanthoma	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
						0/00 10/01		

*: Denominator is number of animals with tissues examined microscopically

Version: May2011 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC				by Data Management the for Selected Control / Route: INHALATION Vehicle: AIR	-	Page: 188 Report Date: 05/04/2011			
			Male				Female		
#Skin: Squamous Cell Papilloma, F	Papilloma, o	or Keratoacanthoma 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: Trichoepithelioma		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: Sebaceous Gland: Adenoma		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: Sebaceous Gland: 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%	
#Skin: Sebaceous Gland: Carcinoma or Adenoma		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%	
#Spinal Cord: 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%	

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

Vehicle: AIR

			Male					Female	
#Spinal Cord: Meningioma Malignant									
		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%
Spleen: Fibrous Histiocytoma		2/42 (224)	0/50 (00/)	0/40	0 0()		0/50 (00/)	0/50 (00/)	0/50 (00/)
Overall Incidence	Total	0/48 (0%) 0/147 (0%)	0/50 (0%) Mean 0%	0/49 (0 SD 0%	0%)	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
		0/147 (0%)	wean 0%	SD 0%		10tai	0/150 (0%)	Wean 0%	5D 0%
Spleen: Hemangioma		2/42 (22/)	0/50 (00/)	0/40	00()				0/50 (00/)
Overall Incidence	Total	0/48 (0%)	0/50 (0%) Mean 0%	``	0%)	Total	0/50 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
	10tai	0/147 (0%)		SD 0%		Total	0/150 (0%)	wean 0%	5D 0%
Spleen: Hemangiosarcoma								/	
Overell In elden ee	Tatal	2/48 (4%)	3/50 (6%)	`	2%)	Tatal	1/50 (2%)	2/50 (4%)	1/50 (2%) SD 1.15%
Overall Incidence	Total	6/147 (4.08%)	Mean 4.07%	SD 1.98%		Total	4/150 (2.67%)	Mean 2.67%	SD 1.15%
Spleen: Mast Cell Tumor Malignan	t								
		0/48 (0%)	0/50 (0%)	``	0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/147 (0%)	Mean 0%	SD 0%		Total	0/150 (0%)	Mean 0%	SD 0%
Spleen: Plasma Cell Tumor Malign	ant								
		0/48 (0%)	0/50 (0%)	``	0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/147 (0%)	Mean 0%	SD 0%		Total	0/150 (0%)	Mean 0%	SD 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

Vehicle: AIR

			Male				Female	
#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	0/150 (0%)	Mean 0%	SD 0%	Total	0/150 (0%)	Mean 0%	SD 0%
#Stomach, Forestomach: Squamous Cell Carcinoma		0/50 (0%)	2/50 (4%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%	Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%
#Stomach, Forestomach: Squamous Cell Carcinoma	or Papillon	na Squamous 0/50 (0%)	2/50 (4%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	1/50 (2%)
Overall Incidence	Total	2/150 (1.33%)	Mean 1.33%	SD 2.31%	Total	2/150 (1.33%)	Mean 1.33%	SD 1.15%
Stomach, Forestomach: Squamous Cell Papilloma		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%
/Stomach, Glandular: Adenoma								
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%
		·····				·····		
#Stomach, Glandular: Carcinoma or Adenoma		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR

			Male		Female				
Testes: Adenoma		0/50 (0%)	0/50 (0%)	0/50 (0%)					
Overall Incidence	Total	0/150 (0%)	Mean 0%	SD 0%					
Thymus: Thymoma Benign		0/38 (0%)	0/38 (0%)	0/47 (0%)		0/49 (0%)	0/47 (0%)	0/48 (0%)	
Overall Incidence	Total	0/123 (0%)	Mean 0%	SD 0%	Total	0/144 (0%)	Mean 0%	SD 0%	
Thymus: Thymoma Malignant		0/38 (0%)	0/38 (0%)	0/47 (0%)		0/49 (0%)	0/47 (0%)	0/48 (0%)	
Overall Incidence	Total	0/123 (0%)	Mean 0%	SD 0%	Total	0/144 (0%)	Mean 0%	SD 0%	
ſhymus: Thymoma: Benign, Malign	ant, NOS	0/00 (01()	0/00 (00()	0(47 (0%)		0/40 (0%)	0/47 (00/)	0/40 (00()	
Overall Incidence	Total	0/38 (0%) 0/123 (0%)	0/38 (0%) Mean 0%	0/47 (0%) SD 0%	Total	0/49 (0%) 0/144 (0%)	0/47 (0%) Mean 0%	0/48 (0%) SD 0%	
Thyroid Gland: C-Cell: Carcinoma									
Overall Incidence	Total	0/49 (0%) 0/148 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%	Total	0/49 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	
Thyroid Gland: C-Cell: Carcinoma or Adenoma									
Overall Incidence	Total	0/49 (0%) 0/148 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%	Total	0/49 (0%) 0/149 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

Vehicle: AIR

			Male				Female	
Thyroid Gland: Follicular Cell: Adenoma								
		0/49 (0%)	0/50 (0%)	0/49 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/148 (0%)	Mean 0%	SD 0%	Total	0/149 (0%)	Mean 0%	SD 0%
'Thyroid Gland: Follicular Cell: Carcinoma								
	T	0/49 (0%)	0/50 (0%)	0/49 (0%)	-	0/49 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	0/148 (0%)	Mean 0%	SD 0%	Total	1/149 (0.67%)	Mean 0.67%	SD 1.15%
Thyroid Gland: Follicular Cell: Carcinoma or Adenoma		0/49 (0%)	0/50 (0%)	0/49 (0%)		0/49 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	0/148 (0%)	Mean 0%	SD 0%	Total	1/149 (0.67%)	Mean 0.67%	SD 1.15%
#Tissue NOS: Fibrosarcoma Dverall 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%
Tissue NOS: Hemangiosarcoma		0/50 (0%)	0/50 (0%)	0/50 (00/)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Fissue NOS: Plasma Cell Tumor Malignan	t	0/50 (0%)	0/50 (0%)	0/50 (0%/)		0/50 (0%/)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/150 (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%
	TUIAI	0/100 (076)		50 0/0	TUtai	0/100 (078)		50 0%

*: Denominator is number of animals with tissues examined microscopically

Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION

Vehicle: AIR

			Male				Female	
#Tissue NOS: 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%
≭Tongue: Fibroma		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%
Tongue: Squamous Cell Carcinom	a	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%
Tongue: Squamous Cell Carcinom		a Squamous						
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%
Tooth: Odontoma								
Overall Incidence	Total	0/50 (0%) 3/150 (2%)	2/50 (4%) Mean 2%	1/50 (2%) SD 2%	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Urinary Bladder: Hemangiosarcoma								
Overall Incidence	Total	0/47 (0%) 0/146 (0%)	0/50 (0%) Mean 0%	0/49 (0%) SD 0%	Total	1/50 (2%) 1/149 (0.67%)	0/50 (0%) Mean 0.67%	0/49 (0%) SD 1.15%

*: Denominator is number of animals with tissues examined microscopically

Version: May2011 Contract/Lab: All Laborator Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Toxicolo Tumor Incideno	Page: 194 Report Date: 05/04/2011						
			Male			Female				
*Urinary Bladder: Plasma Cell Tumor Malig	gnant	0/47 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)		
Overall Incidence	Total	0/146 (0%)	Mean 0%	SD 0%	Total	0/149 (0%)	Mean 0%	SD 0%		
*Urinary Bladder: Sarcoma		0/47 (0%)	0/50 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)		
Overall Incidence	Total	0/146 (0%)	Mean 0%	SD 0%	Total	0/149 (0%)	Mean 0%	SD 0%		
#Uterus: Adenoma										
Overall Incidence					Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%		
tUterus: Carcinoma						0/50 (0%)	0/50 (0%)	1/50 (2%)		
Overall Incidence					Total	1/150 (0.67%)	Mean 0.67%	SD 1.15%		
#Uterus: Hemangiosarcoma										
Overall Incidence					Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%		
#Uterus: Leiomyoma										
Overall Incidence					Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%		

Version: May2011 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1	Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: INHALATION Vehicle: AIR		Page: 195 Report Dat	te: 05/04/2011
Length of Study: CHRONIC				
	Male		Female	
#Uterus: Leiomyosarcoma		0/50 (00/)		4/50 (00())
Overall Incidence	Total	0/50 (0%) 1/150 (0.67%)	0/50 (0%) Mean 0.67%	1/50 (2%) SD 1.15%
#Uterus: Polyp Stromal				
Overall Incidence	Total	0/50 (0%) 2/150 (1.33%)	1/50 (2%) Mean 1.33%	1/50 (2%) SD 1.15%
#Uterus: Sarcoma				
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Uterus: Sarcoma Stromal		0/50 (00())	0/50 (0%)	0/50 (09())
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Uterus: Sarcoma Stromal or Polyp Stromal				
Overall Incidence	Total	0/50 (0%) 2/150 (1.33%)	1/50 (2%) Mean 1.33%	1/50 (2%) SD 1.15%
#Uterus: Schwannoma Malignant		0/50 (00())	0/50 (0%)	0/50 (00/.)
Overall Incidence	Total	0/50 (0%) 0/150 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

Version: May2011 Contract/Lab: All Laboratories Species: MICE Strain: B6C3F1 Length of Study: CHRONIC			Page: 196 Report Date: 05/04/2011						
			Male			Female			
#Vagina: Liposarcoma						0/50 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence					Total	0/150 (0%)	Mean 0%	SD 0%	
#Vagina: Squamous Cell Papilloma						0/50 (0%)	0/50 (0%)	0/50 (0%)	
Overall Incidence					Total	0/150 (0%)	Mean 0%	SD 0%	
#Zymbal's Gland: Carcinoma		0/50 (0%)	0/50 (0%)	0/50 (09/)		0/50 (0%)	0/50 (0%)	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%	
#Zymbal's Gland: 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%	