**Toxicology Data Management System** 

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Report Date: 03/22/2010

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1

Length of Study: CHRONIC

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	059601106	06/11/01	729	50(5)	38(709)	53.9	Cumene
Battelle Northwest	059901706	08/18/03	729	50(5)	31(686)	53.8	Diethylamine
Battelle Northwest	058800604	07/30/01	729	50(5)	35(698)	54.9	alpha-Methylstyrene
Battelle Northwest	059700806	09/17/01	729	50(5)	37(694)	53.5	Propargyl alcohol
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	059601106	06/11/01	731	50(5)	37(685)	60.7	Cumene
Battelle Northwest	059901706	08/18/03	731	50(5)	32(684)	60.7	Diethylamine
Battelle Northwest	058800604	07/30/01	731	50(5)	39(701)	58.6	alpha-Methylstyrene
Battelle Northwest	059700806	09/17/01	731	50(5)	39(699)	58.3	Propargyl alcohol
Battelle Northwest	059302506	06/23/03	731	50(5)	31(663)	62.1	Tetralin

Species: MICE

Strain: B6C3F1

**Toxicology Data Management System** 

Contract/Lab: All Laboratories Tumor Incidence for Sele

Tumor Incidence for Selected Control Animal Groups

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Report Date: 03/22/2010

Route: INHALATION Vehicle: AIR

Length of Study: CHRONIC

			Male				Female	
#All Organs: Benign Tumors								
		36/50 (72%)	43/50 (86%)	33/50 (66%)		22/50 (44%)	34/50 (68%)	25/50 (50%)
		35/50 (70%)	28/50 (56%)	42/50 (84%)		26/50 (52%)	26/50 (52%)	24/50 (48%)
verall Incidence	Total	217/300 (72.33%)	Mean 72.33%	SD 11.27%	Total	157/300 (52.33%)	Mean 52.33%	SD 8.24%
All Organs:  Malignant Tumors								
		30/50 (60%)	27/50 (54%)	36/50 (72%)		33/50 (66%)	26/50 (52%)	23/50 (46%)
		19/50 (38%)	22/50 (44%)	26/50 (52%)		29/50 (58%)	23/50 (46%)	27/50 (54%)
verall Incidence	Total	160/300 (53.33%)	Mean 53.33%	SD 11.98%	Total	161/300 (53.67%)	Mean 53.67%	SD 7.63%
#All Organs: Malignant and Benign T	umors							
		47/50 (94%)	48/50 (96%)	48/50 (96%)		42/50 (84%)	42/50 (84%)	41/50 (82%)
		43/50 (86%)	38/50 (76%)	47/50 (94%)		40/50 (80%)	37/50 (74%)	40/50 (80%)
verall Incidence	Total	271/300 (90.33%)	Mean 90.33%	SD 7.94%	Total	242/300 (80.67%)	Mean 80.67%	SD 3.72%
All Organs: Hemangioma								
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
All Organs: Hemangiosarcoma								
		2/50 (4%)	0/50 (0%)	7/50 (14%)		4/50 (8%)	1/50 (2%)	5/50 (10%)
		4/50 (8%)	2/50 (4%)	4/50 (8%)		4/50 (8%)	2/50 (4%)	2/50 (4%)
Overall Incidence	Total	19/300 (6.33%)	Mean 6.33%	SD 4.8%	Total	18/300 (6%)	Mean 6%	SD 3.1%

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

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:								
Hemangiosarcoma or He	emangioma	0/50 (40/)	4/50 (00/)	7/50 (4.40/)		4/50 (00/)	4/50 (00/)	E/EO (400/)
		2/50 (4%) 4/50 (8%)	1/50 (2%) 2/50 (4%)	7/50 (14%) 5/50 (10%)		4/50 (8%) 5/50 (10%)	1/50 (2%) 2/50 (4%)	5/50 (10%) 2/50 (4%)
S	T-1-1	` '	, ,	` '	T-1-1	, ,	,	` ,
verall Incidence	Total	21/300 (7%)	Mean 7%	SD 4.52%	Total	19/300 (6.33%)	Mean 6.33%	SD 3.44%
#All Organs: Histiocytic Sarcoma								
		0/50 (0%)	0/50 (0%)	1/50 (2%)		1/50 (2%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)		1/50 (2%)	1/50 (2%)	2/50 (4%)
Overall Incidence	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%	Total	6/300 (2%)	Mean 2%	SD 1.26%
‡All Organs: Malignant Lymphoma: F	Histiocytic, Lym	2/50 (4%)	2/50 (4%)	2/50 (4%)		17/50 (34%)	7/50 (14%)	8/50 (16%)
#All Organs: Malignant Lymphoma: H Overall Incidence	<b>Histiocytic, Ly</b> m Total				Total	17/50 (34%) 15/50 (30%) 72/300 (24%)	7/50 (14%) 13/50 (26%) Mean 24%	8/50 (16%) 12/50 (24%) SD 7.8%
Malignant Lymphoma: H  Overall Incidence  #All Organs:	Total	2/50 (4%) 0/50 (0%) 9/300 (3%)	2/50 (4%) 1/50 (2%)	2/50 (4%) 2/50 (4%)	Total	15/50 (30%)	13/50 (26%)	12/50 (24%)
Malignant Lymphoma: H	Total	2/50 (4%) 0/50 (0%) 9/300 (3%)	2/50 (4%) 1/50 (2%) Mean 3%	2/50 (4%) 2/50 (4%) SD 1.67%	Total	15/50 (30%) 72/300 (24%)	13/50 (26%) Mean 24%	12/50 (24%) SD 7.8%
Malignant Lymphoma: H  Overall Incidence  All Organs:	Total	2/50 (4%) 0/50 (0%) 9/300 (3%) 6 0/50 (0%)	2/50 (4%) 1/50 (2%) Mean 3%	2/50 (4%) 2/50 (4%) SD 1.67%	Total	15/50 (30%) 72/300 (24%) 0/50 (0%)	13/50 (26%) Mean 24% 	12/50 (24%) SD 7.8% 0/50 (0%)
Malignant Lymphoma: H Overall Incidence #All Organs: Mesothelioma: Benign,	Total	2/50 (4%) 0/50 (0%) 9/300 (3%) 6 0/50 (0%) 0/50 (0%)	2/50 (4%) 1/50 (2%) Mean 3%	2/50 (4%) 2/50 (4%) SD 1.67%	Total 	15/50 (30%) 72/300 (24%) 0/50 (0%) 0/50 (0%)	13/50 (26%) Mean 24%	12/50 (24%) SD 7.8%
Malignant Lymphoma: H  Overall Incidence  #All Organs:	Total  Malignant, NOS	2/50 (4%) 0/50 (0%) 9/300 (3%) 6 0/50 (0%)	2/50 (4%) 1/50 (2%) Mean 3% 0/50 (0%) 0/50 (0%)	2/50 (4%) 2/50 (4%) SD 1.67% 1/50 (2%) 0/50 (0%)		15/50 (30%) 72/300 (24%) 0/50 (0%)	13/50 (26%) Mean 24% 0/50 (0%) 0/50 (0%)	12/50 (24%) SD 7.8% 0/50 (0%) 0/50 (0%)
Malignant Lymphoma: H Overall Incidence fAll Organs: Mesothelioma: Benign, Overall Incidence	Total  Malignant, NOS  Total	2/50 (4%) 0/50 (0%) 9/300 (3%) 6 0/50 (0%) 0/50 (0%) 1/300 (0.33%)	2/50 (4%) 1/50 (2%) Mean 3% 0/50 (0%) 0/50 (0%) Mean 0.33%	2/50 (4%) 2/50 (4%) SD 1.67% 1/50 (2%) 0/50 (0%) SD 0.82%		15/50 (30%) 72/300 (24%) 0/50 (0%) 0/50 (0%) 0/300 (0%)	13/50 (26%) Mean 24%  0/50 (0%) 0/50 (0%) Mean 0%	12/50 (24%) SD 7.8%  0/50 (0%) 0/50 (0%) SD 0%
Malignant Lymphoma: H  Overall Incidence  #All Organs:  Mesothelioma: Benign,  Overall Incidence	Total  Malignant, NOS  Total	2/50 (4%) 0/50 (0%) 9/300 (3%) 6 0/50 (0%) 0/50 (0%) 1/300 (0.33%)	2/50 (4%) 1/50 (2%) Mean 3% 0/50 (0%) 0/50 (0%) Mean 0.33%	2/50 (4%) 2/50 (4%) SD 1.67% 1/50 (2%) 0/50 (0%) SD 0.82%		15/50 (30%) 72/300 (24%) 0/50 (0%) 0/50 (0%) 0/300 (0%)	13/50 (26%) Mean 24%  0/50 (0%) 0/50 (0%) Mean 0%  0/50 (0%)	12/50 (24%) SD 7.8%  0/50 (0%) 0/50 (0%) SD 0%
Malignant Lymphoma: H  Overall Incidence  #All Organs:  Mesothelioma: Benign,  Overall Incidence	Total  Malignant, NOS  Total	2/50 (4%) 0/50 (0%) 9/300 (3%) 6 0/50 (0%) 0/50 (0%) 1/300 (0.33%)	2/50 (4%) 1/50 (2%) Mean 3% 0/50 (0%) 0/50 (0%) Mean 0.33%	2/50 (4%) 2/50 (4%) SD 1.67% 1/50 (2%) 0/50 (0%) SD 0.82%		15/50 (30%) 72/300 (24%) 0/50 (0%) 0/50 (0%) 0/300 (0%)	13/50 (26%) Mean 24%  0/50 (0%) 0/50 (0%) Mean 0%	12/50 (24%) SD 7.8%  0/50 (0%) 0/50 (0%) SD 0%

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1

## **Toxicology Data Management System**

Tumor Incidence for Selected Control Animal Groups

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Report Date: 03/22/2010

Route: INHALATION Vehicle: AIR

Length of Study: CHRONIC

Contract/Lab: All Laboratories

			Male				Female	
#All Organs: 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%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#All Organs: Osteosarcoma								
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%	Total	0/300 (0%)	Mean 0%	SD 0%
#All Organs: Osteosarcoma or Osteoma								
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%	Total	0/300 (0%)	Mean 0%	SD 0%
*Adrenal Cortex: Adenoma								
		4/49 (8%)	1/50 (2%)	6/50 (12%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)	1/49 (2%)	2/49 (4%)		1/50 (2%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	14/297 (4.71%)	Mean 4.71%	SD 4.52%	Total	2/299 (0.67%)	Mean 0.67%	SD 1.03%
*Adrenal Cortex: Plasma Cell Tumor Maligna	nt							
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/49 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	0/297 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

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	
*Adrenal Medulla: Pheochromocytoma Be	enign							
		1/50 (2%)	0/50 (0%)	0/50 (0%)		3/50 (6%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 2/294 (0.68%)	0/47 (0%) Mean 0.69%	1/47 (2%) SD 1.07%	Total	2/50 (4%) 6/298 (2.01%)	1/48 (2%) Mean 2.01%	0/50 (0%) SD 2.53%
*Adrenal Medulla: Pheochromocytoma Co								
•	•	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%)	0/47 (0%)	0/47 (0%) SD 0%	Total	0/50 (0%)	0/48 (0%)	0/50 (0%) SD 0%
		0/294 (0%)	Mean 0%	 5D 0%	Total	0/298 (0%)	Mean 0%	SD 0%
*Adrenal Medulla: Pheochromocytoma Ma	alignant							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/294 (0%)	0/47 (0%) Mean 0%	0/47 (0%) SD 0%	Total	0/50 (0%) 1/298 (0.34%)	0/48 (0%) Mean 0.33%	0/50 (0%) SD 0.82%
*Adrenal Medulla: Pheochromocytoma: B		. •						
		1/50 (2%) 0/50 (0%)	0/50 (0%) 0/47 (0%)	0/50 (0%) 1/47 (2%)		4/50 (8%) 2/50 (4%)	0/50 (0%) 1/48 (2%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	2/294 (0.68%)	Mean 0.69%	SD 1.07%	Total	7/298 (2.35%)	Mean 2.35%	SD 3.2%
*Bone Marrow: Hemangioma								
-		0/48 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)
	Total	0/298 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1

#### **Toxicology Data Management System**

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Report Date: 03/22/2010

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Length of Study: CHRONIC Male **Female** \*Bone Marrow: Hemangiosarcoma 0/48 (0%)0/50 (0%)2/50 (4%)0/50 (0%)0/49 (0%)1/50 (2%)(0%) 0/50 (0%)0/50 (0%)0/50 0/50 (0%)2/50 (4%)1/50 (2%)**Overall Incidence** Total 2/298 (0.67%) Mean 0.67% SD 1.63% Total 4/299 (1.34%) Mean 1.33% SD 1.63% \*Bone Marrow: **Plasma Cell Tumor Malignant** 0/48(0%)0/50 (0%)0/50 (0%)0/50 (0%)0/49 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)**Overall Incidence** Total 0/298 (0%) Mean 0% SD 0% Total 0/299 (0%) Mean 0% SD 0% #Bone: Hemangiosarcoma 0/50 (0%)0/50 (0%)1/50 (2%)1/50 (2%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)1/50 (2%)**Overall Incidence** Total 1/300 (0.33%) Mean 0.33% SD 0.82% 2/300 (0.67%) Mean 0.67% SD 1.03% Total #Bone: Osteoma 0/50 0/50 (0%)0/50 (0%)(0%)0/50 (0%)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 0/300 (0%) Mean 0% SD 0% Total 0/300 (0%) Mean 0% SD 0% #Bone: Osteosarcoma 1/50 (2%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)

0/50

SD 1.03%

(0%)

0/50

0/300 (0%)

Total

(0%)

0/50

(0%)

Mean 0%

0/50

SD 0%

(0%)

Total

0/50

2/300 (0.67%)

(0%)

1/50

Mean 0.67%

(2%)

**Overall Incidence** 

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

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

Control Animal Groups Report Date: 03/22/2010
ATION
AIR

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			Male				Female	
#Bone:				,				
Osteosarcoma or Osteoma		4/50 (00/)	0/50 (00/)	0/50 (00/)		0/50 (00/)	0/50 (00/)	0/50 (00/)
		1/50 (2%) 0/50 (0%)	0/50 (0%) 1/50 (2%)	0/50 (0%) 0/50 (0%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%	Total	0/300 (0%)	0/50 (0%) Mean 0%	0/30 (0%) SD 0%
		2/300 (0.07 /0)					iviean 070	
*Brain: Meningioma Benign								
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%
*Brain: Meningioma Malignant Overall Incidence	Total	0/50 (0%) 0/50 (0%) 0/300 (0%)	0/50 (0%) 0/50 (0%) Mean 0%	0/50 (0%) 0/50 (0%) SD 0%	Total	0/50 (0%) 0/50 (0%) 0/300 (0%)	0/50 (0%) 0/50 (0%) Mean 0%	0/50 (0%) 0/50 (0%) SD 0%
*Brain: Meningioma: Benign, Malig	jnant, NOS							
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%
*Brain: 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%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

Strain: B6C3F1

**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	
Clitoral/Preputial Gland:								
		0/49 (0%)	0/49 (0%)	0/50 (0%)		0/46 (0%)	0/41 (0%)	0/46 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/43 (0%)	0/42 (0%)	0/46 (0%)
Overall Incidence	Total	0/298 (0%)	Mean 0%	SD 0%	Total	0/264 (0%)	Mean 0%	SD 0%
Clitoral/Preputial Gland: Carcinoma								
		0/49 (0%)	0/49 (0%)	0/50 (0%)		0/46 (0%)	0/41 (0%)	0/46 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/43 (0%)	0/42 (0%)	0/46 (0%)
Overall Incidence	Total	0/298 (0%)	Mean 0%	SD 0%	Total	0/264 (0%)	Mean 0%	SD 0%
*Clitoral/Preputial Gland: Carcinoma or Adenoma								
		0/49 (0%)	0/49 (0%)	0/50 (0%)		0/46 (0%)	0/41 (0%)	0/46 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/43 (0%)	0/42 (0%)	0/46 (0%)
Overall Incidence	Total	0/298 (0%)	Mean 0%	SD 0%	Total	0/264 (0%)	Mean 0%	SD 0%
Clitoral/Preputial Gland: Hemangioma								
		0/49 (0%)	0/49 (0%)	0/50 (0%)		0/46 (0%)	0/41 (0%)	0/46 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/43 (0%)	0/42 (0%)	0/46 (0%)
Overall Incidence	Total	0/298 (0%)	Mean 0%	SD 0%	Total	0/264 (0%)	Mean 0%	SD 0%
Clitoral/Preputial Gland: Hemangiosarcoma								
-		0/49 (0%)	0/49 (0%)	0/50 (0%)		0/46 (0%)	0/41 (0%)	0/46 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/43 (0%)	0/42 (0%)	0/46 (0%)
Overall Incidence	Total	0/298 (0%)	Mean 0%	SD 0%	Total	0/264 (0%)	Mean 0%	SD 0%

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1

**Toxicology Data Management System** 

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

Route: INHALATION Vehicle: AIR

Length of Study: CHRONIC

Male **Female** \*Clitoral/Preputial Gland: **Squamous Cell Carcinoma** 0/49 (0%)0/49 (0%)0/50 (0%)0/46 (0%)0/41 (0%)0/46 (0%)0/50 (0%)0/50 (0%)0/50 (0%)1/43 (2%)0/42 (0%)0/46 (0%)1/264 (0.38%) **Overall Incidence** Total 0/298 (0%) Mean 0% SD 0% Total Mean 0.39% SD 0.95% #Esophagus: **Squamous Cell Carcinoma** (0%) 0/50 (0%)0/50 0/50 (0%)1/50 (2%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)0/50 (0%)**Overall Incidence** Total 0/300 (0%) Mean 0% SD 0% Total 1/300 (0.33%) Mean 0.33% SD 0.82% #Eye: 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%)0/50 (0%)0/50 (0%)**Overall Incidence** Total 0/300 (0%) Mean 0% SD 0% Total 0/300 (0%) Mean 0% SD 0% #Harderian Gland: Adenoma 4/50 7/50 (14%)8/50 (16%)(8%) 3/50 (6%)8/50 (16%)3/50 (6%)10/50 (20%)3/50 (6%)2/50 (4%)3/50 (6%)4/50 (8%)1/50 (2%)**Overall Incidence** Total 34/300 (11.33%) Mean 11.33% SD 6.28% Total 22/300 (7.33%) Mean 7.33% SD 4.68% #Harderian Gland: Carcinoma

4/50

3/50

SD 2.19%

(8%)

(6%)

Total

2/50

1/50

11/300 (3.67%)

(4%)

(2%)

5/50

0/50

(10%)

Mean 3.67%

(0%)

2/50

1/50

SD 3.44%

(4%)

(2%)

Total

3/50

1/50

18/300 (6%)

(6%)

(2%)

4/50

3/50

Mean 6%

(8%)

(6%)

**Overall Incidence** 

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<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

**Toxicology Data Management System** 

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Mean 0%

SD 0%

Report Date: 03/22/2010

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

**Route: INHALATION** Vehicle: AIR

Male **Female** #Harderian Gland: Carcinoma or Adenoma (10%)10/50 (20%)11/50 (22%)8/50 (16%)5/50 12/50 (24%)5/50 (10%)11/50 (22%)6/50 (12%)5/50 (10%)(8%)4/50 (8%)2/50 (4%)32/300 (10.67%) **Overall Incidence** Total 51/300 (17%) Mean 17% SD 5.18% Total Mean 10.67% SD 6.89% #Harderian 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%)0/50 (0%)0/50 (0%)**Overall Incidence** Total 0/300 (0%) Mean 0% SD 0% Total 0/300 (0%) Mean 0% SD 0% \*Heart: 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%)0/50 (0%)0/50 (0%)**Overall Incidence** Total 0/300 (0%) Mean 0% SD 0% Total 0/300 (0%) Mean 0% SD 0% \*Heart: Hemangiosarcoma 0/50 (0%)0/50 (0%)1/50 (2%)1/50 (2%)0/50 (0%)0/50 (0%)1/50 (2%)0/50 (0%)0/50 (0%)1/50 (2%)0/50 (0%)0/50 (0%)**Overall Incidence** Total 2/300 (0.67%) Mean 0.67% SD 1.03% Total 2/300 (0.67%) Mean 0.67% SD 1.03% #Intestine Large: Cecum: 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%)0/50 (0%)0/50 (0%)

SD 0%

Total

0/300 (0%)

Total

......

0/300 (0%)

Mean 0%

**Overall Incidence** 

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

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	
#Intestine Large: Cecum: 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%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Intestine Large: Cecum: Leiomyoma								
•		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
#Intestine Large: Colon/Rect Leiomyosarcoma	tum:							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		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	0/300 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
#Intestine Small: Duodenum 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%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#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%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

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:** 149

			Male				Female	
fintestine Small: Duodenum: 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%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
#Intestine Small: Duodenum: Polyp Adenomatous								
		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%
#Intestine Small: Ileum: 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%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Intestine Small: Ileum: 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%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Intestine Small: Ileum: Polyp Adenomatous								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		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	0/300 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

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	
#Intestine Small: Jejunum: 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%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Intestine Small: Jejunum: Carcinoma								
		4/50 (8%)	1/50 (2%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	8/300 (2.67%)	Mean 2.67%	SD 3.01%	Total	0/300 (0%)	Mean 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%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (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%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Intestine Small: Site Unspec Adenoma	ified:							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

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	
#Intestine Small: Site Unsp Carcinoma	pecified:							
		4/50 (8%)	1/50 (2%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	8/300 (2.67%)	Mean 2.67%	SD 3.01%	Total	0/300 (0%)	Mean 0%	SD 0%
#Intestine Small: Site Unsp Carcinoma or Adenoma	pecified:							
		4/50 (8%)	1/50 (2%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	8/300 (2.67%)	Mean 2.67%	SD 3.01%	Total	0/300 (0%)	Mean 0%	SD 0%
#Intestine Small: Site Unsp Hemangiosarcoma Overall Incidence	pecified: Total	0/50 (0%) 0/50 (0%) 0/300 (0%)	0/50 (0%) 0/50 (0%) Mean 0%	0/50 (0%) 0/50 (0%) SD 0%	Total	0/50 (0%) 0/50 (0%) 0/300 (0%)	0/50 (0%) 0/50 (0%) Mean 0%	0/50 (0%) 0/50 (0%) SD 0%
#Intestine Small: Site Unsp 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%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
#Intestine Small: Site Unsp Polyp Adenomatous								
• •		1/50 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

**Toxicology Data Management System** 

Contract/Lab: All Laboratories

Species: MICE
Strain: B6C3F1

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male				Female	
Islets, Pancreatic:								
		0/48 (0%)	0/50 (0%)	2/50 (4%)		0/50 (0%)	1/49 (2%)	0/50 (0%)
		0/50 (0%)	1/49 (2%)	2/49 (4%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	5/296 (1.69%)	Mean 1.69%	SD 1.99%	Total	1/298 (0.34%)	Mean 0.34%	SD 0.83%
Islets, Pancreatic: Carcinoma								
		0/48 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)
		1/50 (2%)	0/49 (0%)	0/49 (0%)		0/49 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	1/296 (0.34%)	Mean 0.33%	SD 0.82%	Total	1/298 (0.34%)	Mean 0.33%	SD 0.82%
*Islets, Pancreatic: Carcinoma or Adenoma								
		0/48 (0%)	0/50 (0%)	2/50 (4%)		0/50 (0%)	1/49 (2%)	0/50 (0%)
		1/50 (2%)	1/49 (2%)	2/49 (4%)		0/49 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	6/296 (2.03%)	Mean 2.02%	SD 1.81%	Total	2/298 (0.67%)	Mean 0.67%	SD 1.04%
Kidney: Renal Tubule: Adenoma								
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/297 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%
*Kidney: Renal Tubule: Carcinoma								
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/297 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

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	
Kidney: Renal Tubule: Carcinoma or Adenoma								
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/297 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%
*Kidney: Renal Tubule: Hemangioma								
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/297 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%
*Kidney: Renal Tubule: Hemangiosarcoma								
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/297 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%
'Kidney: Renal Tubule: Plasma Cell Tumor Maligi	nant							
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/297 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%
*Kidney: Renal Tubule: Sarcoma								
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/297 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

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	
	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%) 0/50 (0%)
Total	0/298 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
	0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Total	1/298 (0.34%)	Mean 0.33%	SD 0.82%	Total	1/300 (0.33%)	Mean 0.33%	0/50 (0%) SD 0.82%
						•••••	
	1/50 (2%)	0/50 (0%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Total	4/50 (8%) 9/298 (3.02%)	1/49 (2%) Mean 3.01%	1/49 (2%) SD 2.75%	Total	1/50 (2%) 4/300 (1.33%)	0/50 (0%) Mean 1.33%	2/50 (4%) SD 1.63%
	1/50 (2%)	1/50 (2%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Total	0/50 (0%) 3/298 (1.01%)	0/49 (0%) Mean 1%	0/49 (0%) SD 1.1%	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
	30/50 (60%)	34/50 (68%)	28/50 (56%)		19/50 (38%)	18/50 (36%)	14/50 (28%)
Total	` ,	, ,	` '	Total	` ,		14/50 (28%) SD 6.45%
	Total Total	0/50 (0%) Total 0/298 (0%)  0/50 (0%) 0/50 (0%) 0/50 (0%) Total 1/298 (0.34%)  1/50 (2%) 4/50 (8%) Total 9/298 (3.02%)  1/50 (2%) 0/50 (0%) Total 3/298 (1.01%)  30/50 (60%) 24/50 (48%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/49 (0%) Total 0/298 (0%) Mean 0%  0/50 (0%) 1/50 (2%) 0/50 (0%) 0/49 (0%) Total 1/298 (0.34%) Mean 0.33%  1/50 (2%) 0/50 (0%) 4/50 (8%) 1/49 (2%) Total 9/298 (3.02%) Mean 3.01%  1/50 (2%) 0/50 (0%) 0/50 (0%) 0/49 (0%) Total 3/298 (1.01%) Mean 1%  30/50 (60%) 34/50 (68%) 24/50 (48%) 21/49 (43%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/49 (0%) 0/49 (0%)  Total 0/298 (0%) Mean 0% SD 0%  0/50 (0%) 1/50 (2%) 0/50 (0%) 0/49 (0%)  Total 1/298 (0.34%) Mean 0.33% SD 0.82%  1/50 (2%) 0/50 (0%) 2/50 (4%) 4/50 (8%) 1/49 (2%) 1/49 (2%)  Total 9/298 (3.02%) Mean 3.01% SD 2.75%  1/50 (2%) 1/50 (2%) 5D 2.75%  1/50 (2%) 1/50 (2%) 0/49 (0%) 0/49 (0%)  Total 3/298 (1.01%) Mean 1% SD 1.1%  30/50 (60%) 34/50 (68%) 28/50 (56%) 24/50 (48%) 21/49 (43%) 33/49 (67%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)         0/50 (0%) 0/49 (0%) 0/49 (0%)         0/49 (0%) 0/49 (0%)           Total         0/298 (0%)         Mean 0%         SD 0%         Total           0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)         0/49 (0%) 0/49 (0%)         0/49 (0%)         Total           1/298 (0.34%)         Mean 0.33%         SD 0.82%         Total           1/50 (2%) 4/50 (8%) 1/49 (2%) 1/49 (2%) 1/49 (2%)         1/49 (2%) 1/49 (2%)         Total           1/50 (2%) 0/50 (0%) 0/49 (0%) 0/49 (0%) 0/49 (0%) 0/49 (0%)         Total         Total         3/298 (1.01%) Mean 1% SD 1.1% Total         Total           30/50 (60%) 24/50 (48%) 21/49 (43%) 33/49 (67%)         24/50 (56%) 24/50 (48%) 21/49 (43%) 33/49 (67%)         28/50 (56%) 24/50 (68%) 21/49 (43%) 33/49 (67%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)         0/50 (0%) 0/49 (0%) 0/49 (0%)         0/50 (0%) 0/50 (0%)           Total         0/298 (0%)         Mean 0%         SD 0%         Total 0/300 (0%)           0/50 (0%) 1/50 (2%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/49 (0%)         0/50 (0%) 1/50 (2%) 1/50 (2%)         0/50 (0%) 1/50 (2%) 1/50 (2%)           Total         1/298 (0.34%) Mean 0.33% SD 0.82% Total 1/300 (0.33%)         Total 1/300 (0.33%)         D 0/50 (0%) 1/50 (2%) 1/50 (2%) 1/50 (2%) 1/50 (2%)           Total         9/298 (3.02%) Mean 3.01% SD 2.75% Total 4/300 (1.33%)         Total 4/300 (1.33%)           1/50 (2%) 0/50 (0%) 0/49 (0%) 0/49 (0%) 0/49 (0%) 0/50 (0%) 0/50 (0%)         0/50 (0%) 0/49 (0%) 0/49 (0%) 0/50 (0%)           Total         3/298 (1.01%) Mean 1% SD 1.1% Total 0/300 (0%)           30/50 (60%) 34/50 (68%) 28/50 (56%) 19/50 (2%) 24/50 (48%) 21/49 (43%) 33/49 (67%) 10/50 (20%)	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)         0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%)           Total         0/298 (0%)         Mean 0%         SD 0%         Total 0/300 (0%)         Mean 0%           0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/50 (0%) 0/49 (0%) 0/49 (0%) 1/50 (2%) 0/50 (0%)         0/50 (0%) 0/50 (0%) 0/50 (0%)           Total         1/298 (0.34%) Mean 0.33% SD 0.82% Total 1/300 (0.33%) Mean 0.33%         Mean 0.33% Mean 0.33%           Total         9/298 (3.02%) Mean 3.01% SD 2.75% Total 4/300 (1.33%) Mean 1.33%           Total         9/298 (3.02%) Mean 3.01% SD 2.75% Total 4/300 (1.33%) Mean 1.33%           Total         3/298 (1.01%) Mean 1% SD 1.1% Total 0/300 (0%) Mean 0%

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

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	
*Liver: Hepatocellular Carcino	oma							
		15/50 (30%)	13/50 (26%)	20/50 (40%)		5/50 (10%)	10/50 (20%)	4/50 (8%)
		10/50 (20%)	10/49 (20%)	11/49 (22%)		3/50 (6%)	4/50 (8%)	7/50 (14%)
Overall Incidence	Total	79/298 (26.51%)	Mean 26.48%	SD 7.62%	Total	33/300 (11%)	Mean 11%	SD 5.18%
*Liver:								
Hepatocellular Carcino	ma or Hepatob		44/50 (000/)	20/50 (400/)		F/F0 (400/)	40/50 (000/)	4/50 (00/)
		16/50 (32%) 10/50 (20%)	14/50 (28%) 10/49 (20%)	20/50 (40%) 11/49 (22%)		5/50 (10%) 3/50 (6%)	10/50 (20%) 4/50 (8%)	4/50 (8%) 7/50 (14%)
Overall Incidence	Total	81/298 (27.18%)	Mean 27.14%	SD 7.85%	Total	, ,	4/30 (6%) Mean 11%	SD 5.18%
		01/290 (27.10%)				33/300 (11%)		
*Liver: Hepatocellular Carcino	oma or Hepatoc	ellular Adenoma 38/50 (76%) 28/50 (56%)	40/50 (80%) 26/49 (53%)	40/50 (80%) 37/49 (76%)		24/50 (48%) 13/50 (26%)	25/50 (50%) 17/50 (34%)	16/50 (32%) 20/50 (40%)
Overall Incidence	Total	209/298 (70.13%)	Mean 70.1%	SD 12.24%	Total	115/300 (38.33%)	Mean 38.33%	SD 9.42%
	ma, Hepatocell	lular Adenoma, or Hepato		40/50 (90%)		24/50 (499/)	25/50 (500()	46/50 (220/)
*Liver: Hepatocellular Carcino	ma, Hepatocell	38/50 (76%)	41/50 (82%)	40/50 (80%) 37/49 (76%)		24/50 (48%) 13/50 (26%)	25/50 (50%) 17/50 (34%)	16/50 (32%) 20/50 (40%)
	ma, Hepatocell Total	•		40/50 (80%) 37/49 (76%) SD 12.59%	Total	24/50 (48%) 13/50 (26%) 115/300 (38.33%)	25/50 (50%) 17/50 (34%) Mean 38.33%	16/50 (32%) 20/50 (40%) SD 9.42%
Hepatocellular Carcino Overall Incidence *Liver:	Total	38/50 (76%) 28/50 (56%)	41/50 (82%) 26/49 (53%)	37/49 (76%)	Total	13/50 (26%)	17/50 (34%)	20/50 (40%)
Hepatocellular Carcino Overall Incidence	Total	38/50 (76%) 28/50 (56%)	41/50 (82%) 26/49 (53%)	37/49 (76%)	Total	13/50 (26%)	17/50 (34%)	20/50 (40%)
Hepatocellular Carcino Overall Incidence *Liver:	Total	38/50 (76%) 28/50 (56%) 210/298 (70.47%)	41/50 (82%) 26/49 (53%) Mean 70.43%	37/49 (76%) SD 12.59%	Total	13/50 (26%) 115/300 (38.33%)	17/50 (34%) Mean 38.33%	20/50 (40%) SD 9.42%

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

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	
*Liver: Hepatocholangioma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/298 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
*Liver: Ito Cell Tumor Benign								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/298 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
*Liver: Ito Cell Tumor Malignan								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/49 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/298 (0.34%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%
*Liver: Plasma Cell Tumor Mali	gnant							
	9	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/298 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
*Liver: Sarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/298 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

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**: 157

			Male				Female	
*Lung: Adenoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 1/300 (0.33%)	1/50 (2%) Mean 0.33%	0/50 (0%) SD 0.82%	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
*Lung: Alveolar/Bronchiolar <i>A</i>	Adenoma							
		6/50 (12%)	13/50 (26%)	4/50 (8%)		1/50 (2%)	1/50 (2%)	2/50 (4%)
		8/50 (16%)	10/50 (20%)	10/50 (20%)		1/50 (2%)	3/50 (6%)	6/50 (12%)
Overall Incidence	Total	51/300 (17%)	Mean 17%	SD 6.42%	Total	14/300 (4.67%)	Mean 4.67%	SD 3.93%
*Lung: Alveolar/Bronchiolar 0	Carcinoma							
		8/50 (16%)	9/50 (18%)	12/50 (24%)		0/50 (0%)	3/50 (6%)	3/50 (6%)
		5/50 (10%)	7/50 (14%)	11/50 (22%)		1/50 (2%)	2/50 (4%)	0/50 (0%)
Overall Incidence	Total	52/300 (17.33%)	Mean 17.33%	SD 5.16%	Total	9/300 (3%)	Mean 3%	SD 2.76%
Lung: Alveolar/Bronchiolar C	Carcinoma or Al	veolar/Bronchiolar Adeno	oma					
		13/50 (26%)	19/50 (38%)	15/50 (30%)		1/50 (2%)	4/50 (8%)	5/50 (10%)
		13/50 (26%)	17/50 (34%)	20/50 (40%)		2/50 (4%)	5/50 (10%)	6/50 (12%)
Overall Incidence	Total	97/300 (32.33%)	Mean 32.33%	SD 5.99%	Total	23/300 (7.67%)	Mean 7.67%	SD 3.88%
*Lung: Fibrosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

Strain: B6C3F1

**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	
Lung: Fibrous Histiocytoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Lung: 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%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%
*Lung: Plasma Cell Tumor Maligr	nant							
_		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Lung: 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%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Lymph Node: Fibrous Histiocytoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

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	
#Lymph Node: 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%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (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%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Lymph Node: Plasma Cell Tumor Malig	jnant							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Lymph Node: 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%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Lymph Node, Bronchial: Hemangiosarcoma								
-		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

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	
#Lymph Node, Mandibular: Fibrous Histiocytoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Lymph Node, Mandibular: 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%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
#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%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Lymph Node, Mandibular: Plasma Cell Tumor Maligna	nt							
_		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Lymph Node, Mesenteric: Fibrous Histiocytoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

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	
#Lymph Node, Mesenteric: 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%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Lymph Node, Mesenteric: Hemangiosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
#Lymph Node, Mesenteric: Plasma Cell Tumor Malig	nant	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Mammary Gland: Adenoacanthoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (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%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

**Toxicology Data Management System** 

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male				Female	
#Mammary Gland: Carcinoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		2/50 (4%)	1/50 (2%)	4/50 (8%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	9/300 (3%)	Mean 3%	SD 2.76%
#Mammary Gland: Carcinoma or Adenom	a							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		2/50 (4%)	1/50 (2%)	4/50 (8%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	9/300 (3%)	Mean 3%	SD 2.76%
#Mammary Gland: Fibroadenoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
#Mammary Gland: Fibroma, Fibroadenom	na or Adenoma							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
#Mammary Gland: Fibroma, Fibroadenom	na, Carcinoma, or	Adenoma						
		0/50 (0%)	0/50 (0%)	0/50 (0%)		2/50 (4%)	1/50 (2%)	5/50 (10%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	10/300 (3.33%)	Mean 3.33%	SD 3.5%

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

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	
#Mesentery: Fibrosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Mesentery: 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%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Mesentery: Hemangiosarcoma								
		0/50 (0%)	0/50 (0%)	1/50 (2%)		1/50 (2%)	0/50 (0%)	2/50 (4%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	4/300 (1.33%)	Mean 1.33%	SD 1.63%
#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%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
'Nose: Mast Cell Tumor Malignant								
J		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/49 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/298 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1

**Toxicology Data Management System** 

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Report Date: 03/22/2010

Contract/Lab: All Laboratories

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

Length of Study: CHRONIC

			Male				Female	
Oral Cavity (Oral Mucos		rynx, 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%)	1/50 (2%)	0/50 (0%)
verall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
Oral Cavity (Oral Mucos	. •	rynx, Tooth, Gingiva):						
•		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%
		Squamous, or Papillom 0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		Squamous, or Papillom		0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Squamous Cell Carcino		Squamous, or Papillom		0/50 (0%) 0/50 (0%) SD 0.82%	Total	0/50 (0%) 0/50 (0%) 1/300 (0.33%)	0/50 (0%) 1/50 (2%) Mean 0.33%	0/50 (0%) 0/50 (0%) SD 0.82%
#Oral Cavity (Oral Mucos Squamous Cell Carcin Overall Incidence 'Ovary: Choriocarcinoma	oma, Papilloma	Squamous, or Papillom 0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%)	Total	0/50 (0%) 1/300 (0.33%)	1/50 (2%) Mean 0.33%	0/50 (0%) SD 0.82%
Squamous Cell Carcing  Overall Incidence  Ovary:	oma, Papilloma	Squamous, or Papillom 0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%)	Total	0/50 (0%) 1/300 (0.33%) 0/50 (0%)	1/50 (2%) Mean 0.33% 0/48 (0%)	0/50 (0%) SD 0.82% 0/49 (0%)
Squamous Cell Carcing Overall Incidence Ovary: Choriocarcinoma	oma, Papilloma	Squamous, or Papillom 0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 1/300 (0.33%) 0/50 (0%) 0/48 (0%)	1/50 (2%) Mean 0.33% 0/48 (0%) 0/49 (0%)	0/50 (0%) SD 0.82% 0/49 (0%) 0/50 (0%)
Squamous Cell Carcing Overall Incidence Ovary: Choriocarcinoma	oma, Papilloma	Squamous, or Papillom 0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%)	Total Total	0/50 (0%) 1/300 (0.33%) 0/50 (0%)	1/50 (2%) Mean 0.33% 0/48 (0%)	0/50 (0%) SD 0.82% 0/49 (0%)
Squamous Cell Carcing Overall Incidence Ovary: Choriocarcinoma Overall Incidence	oma, Papilloma	Squamous, or Papillom 0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 1/300 (0.33%) 0/50 (0%) 0/48 (0%)	1/50 (2%) Mean 0.33% 0/48 (0%) 0/49 (0%)	0/50 (0%) SD 0.82% 0/49 (0%) 0/50 (0%)
Squamous Cell Carcing Overall Incidence 'Ovary: Choriocarcinoma Overall Incidence 'Ovary:	oma, Papilloma	Squamous, or Papillom 0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 1/300 (0.33%) 0/50 (0%) 0/48 (0%) 0/294 (0%) 3/50 (6%)	1/50 (2%) Mean 0.33%  0/48 (0%) 0/49 (0%) Mean 0%  5/48 (10%)	0/50 (0%) SD 0.82% 0/49 (0%) 0/50 (0%) SD 0%
Overall Incidence  Ovary: Choriocarcinoma  Overall Incidence	oma, Papilloma	Squamous, or Papillom 0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%)		0/50 (0%) 1/300 (0.33%) 0/50 (0%) 0/48 (0%) 0/294 (0%)	1/50 (2%) Mean 0.33% 0/48 (0%) 0/49 (0%) Mean 0%	0/50 (0%) SD 0.82% 0/49 (0%) 0/50 (0%) SD 0%

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1

#### **Toxicology Data Management System**

Tumor Incidence for Selected Control Animal Groups

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Report Date: 03/22/2010

Route: INHALATION Vehicle: AIR

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Male **Female** \*Ovary: **Fibrous Histiocytoma** 0/50 (0%)0/48 (0%)0/49 (0%)0/48 (0%)0/49 (0%)0/50 (0%)0/294 (0%) **Overall Incidence** Total Mean 0% SD 0% \*Ovary: **Granulosa Cell Tumor Benign** 0/50 (0%)0/48 (0%)0/49 (0%)0/48 (0%)0/49 (0%)0/50 (0%)**Overall Incidence** Total 0/294 (0%) Mean 0% SD 0% \*Ovary: **Granulosa Cell Tumor Malignant** 0/50 (0%)0/48 0/49 (0%)0/48 (0%)0/49 (0%)0/50 (0%)**Overall Incidence** Total 0/294 (0%) Mean 0% SD 0% \*Ovary: Granulosa Cell Tumor: Benign, Malignant, NOS 0/50 (0%)0/48 (0%)0/49 (0%)0/48 (0%)0/49 (0%)0/50 (0%)**Overall Incidence** Total 0/294 (0%) Mean 0% SD 0% \*Ovary: Hemangioma 0/50 (0%)0/48 (0%)0/49 (0%)0/48 (0%)0/49 (0%)0/50 (0%)**Overall Incidence** Total 0/294 (0%) Mean 0% SD 0%

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1

## **Toxicology Data Management System**

Tumor Incidence for Selected Control Animal Groups

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Report Date: 03/22/2010

Route: INHALATION Vehicle: AIR

Length of Study: CHRONIC

Contract/Lab: All Laboratories

	Male		Female	
Ovary: Hemangiosarcoma				
nemangiosarcoma		0/50 (0%)	0/48 (0%)	1/49 (2%)
		0/48 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence	Total	1/294 (0.34%)	Mean 0.34%	SD 0.83%
Ovary: Leiomyosarcoma				
·		0/50 (0%)	0/48 (0%)	0/49 (0%)
		0/48 (0%)	1/49 (2%)	0/50 (0%)
Overall Incidence	Total	1/294 (0.34%)	Mean 0.34%	SD 0.83%
Ovary: Luteoma				
		1/50 (2%)	0/48 (0%)	0/49 (0%)
		0/48 (0%)	0/49 (0%)	1/50 (2%)
verall Incidence	Total	2/294 (0.68%)	Mean 0.67%	SD 1.03%
Ovary: Plasma Cell Tumor Malignant				
•		0/50 (0%)	0/48 (0%)	0/49 (0%)
		0/48 (0%)	0/49 (0%)	0/50 (0%)
verall Incidence	Total	0/294 (0%)	Mean 0%	SD 0%
Ovary: Teratoma Benign				
		0/50 (0%)	1/48 (2%)	0/49 (0%)
		0/48 (0%)	0/49 (0%)	1/50 (2%)
Overall Incidence	Total	2/294 (0.68%)	Mean 0.68%	SD 1.05%

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

**Toxicology Data Management System** 

Contract/Lab: All Laboratories

Tumor Incidence for Selected Control Animal Groups **Route:** INHALATION

Species: MICE Strain: B6C3F1

Length of Study: CHRONIC

Vehicle: AIR

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			Male				Female	
Ovary: Teratoma Malignant								
						0/50 (0%)	0/48 (0%)	0/49 (0%)
						0/48 (0%)	0/49 (0%)	1/50 (2%)
Overall Incidence					Total	1/294 (0.34%)	Mean 0.33%	SD 0.82%
Ovary: Tubulostromal Adenoma								
						0/50 (0%)	0/48 (0%)	0/49 (0%)
						0/48 (0%)	0/49 (0%)	0/50 (0%)
Overall Incidence					Total	0/294 (0%)	Mean 0%	SD 0%
Pancreas:								
		0/48 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/49 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/296 (0%)	Mean 0%	SD 0%	Total	0/298 (0%)	Mean 0%	SD 0%
Pancreas: Carcinoma								
		1/48 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/49 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/296 (0.34%)	Mean 0.35%	SD 0.85%	Total	0/298 (0%)	Mean 0%	SD 0%
Pancreas: Carcinoma or Adenoma								
		1/48 (2%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/49 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/296 (0.34%)	Mean 0.35%	SD 0.85%	Total	0/298 (0%)	Mean 0%	SD 0%

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

Strain: B6C3F1

**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			
*Pituitary Gland: Pars Distalis or Unspecified Site: Adenoma										
		1/46 (2%)	1/48 (2%)	0/50 (0%)		5/46 (11%)	8/50 (16%)	10/50 (20%)		
		0/48 (0%)	0/47 (0%)	0/50 (0%)		4/50 (8%)	4/50 (8%)	6/49 (12%)		
Overall Incidence	Total	2/289 (0.69%)	Mean 0.71%	SD 1.1%	Total	37/295 (12.54%)	Mean 12.52%	SD 4.73%		
Pituitary Gland: Pars Dis										
		0/46 (0%)	0/48 (0%)	0/50 (0%)		1/46 (2%)	0/50 (0%)	0/50 (0%)		
		0/48 (0%)	0/47 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/49 (0%)		
Overall Incidence	Total	0/289 (0%)	Mean 0%	SD 0%	Total	2/295 (0.68%)	Mean 0.7%	SD 1.08%		
Carcinoma or Adenom										
Carcinoma or Adenom		1/46 (2%) 0/48 (0%) 2/289 (0.69%)	1/48 (2%) 0/47 (0%) Mean 0.71%	0/50 (0%) 0/50 (0%) SD 1.1%	Total	6/46 (13%) 4/50 (8%) 39/295 (13.22%)	8/50 (16%) 5/50 (10%) Mean 13.21%	10/50 (20%) 6/49 (12%) SD 4.3%		
Carcinoma or Adenom  Overall Incidence  *Pituitary Gland: Pars Int	Total	1/46 (2%) 0/48 (0%) 2/289 (0.69%)	0/47 (0%)	0/50 (0%)	Total	4/50 (8%)	5/50 (10%)	6/49 (12%)		
Carcinoma or Adenom  Overall Incidence	Total	1/46 (2%) 0/48 (0%) 2/289 (0.69%)	0/47 (0%) Mean 0.71%	0/50 (0%) SD 1.1%	Total	4/50 (8%) 39/295 (13.22%)	5/50 (10%) Mean 13.21%	6/49 (12%) SD 4.3%		
Carcinoma or Adenom  Overall Incidence  'Pituitary Gland: Pars Int	Total	1/46 (2%) 0/48 (0%) 2/289 (0.69%)	0/47 (0%)	0/50 (0%)	Total	4/50 (8%)	5/50 (10%)	6/49 (12%)		
Overall Incidence *Pituitary Gland: Pars Int	Total	1/46 (2%) 0/48 (0%) 2/289 (0.69%) 0/46 (0%)	0/47 (0%) Mean 0.71% 0/48 (0%)	0/50 (0%) SD 1.1% 0/50 (0%)	Total Total	4/50 (8%) 39/295 (13.22%) 0/46 (0%)	5/50 (10%) Mean 13.21% 2/50 (4%)	6/49 (12%) SD 4.3% 2/50 (4%)		
Carcinoma or Adenom  Overall Incidence  *Pituitary Gland: Pars Int Adenoma  Overall Incidence	Total termedia: Total termedia:	1/46 (2%) 0/48 (0%) 2/289 (0.69%) 0/46 (0%) 1/48 (2%)	0/47 (0%) Mean 0.71% 0/48 (0%) 0/47 (0%)	0/50 (0%) SD 1.1% 0/50 (0%) 0/50 (0%)		4/50 (8%) 39/295 (13.22%) 0/46 (0%) 0/50 (0%)	5/50 (10%) Mean 13.21% 2/50 (4%) 0/50 (0%)	6/49 (12%) SD 4.3% 2/50 (4%) 1/49 (2%)		
Carcinoma or Adenom Overall Incidence  *Pituitary Gland: Pars Int Adenoma  Overall Incidence  *Pituitary Gland: Pars Int	Total termedia: Total termedia:	1/46 (2%) 0/48 (0%) 2/289 (0.69%) 0/46 (0%) 1/48 (2%)	0/47 (0%) Mean 0.71% 0/48 (0%) 0/47 (0%)	0/50 (0%) SD 1.1% 0/50 (0%) 0/50 (0%)		4/50 (8%) 39/295 (13.22%) 0/46 (0%) 0/50 (0%)	5/50 (10%) Mean 13.21% 2/50 (4%) 0/50 (0%)	6/49 (12%) SD 4.3% 2/50 (4%) 1/49 (2%)		
Carcinoma or Adenom  Overall Incidence  *Pituitary Gland: Pars Int Adenoma  Overall Incidence  *Pituitary Gland: Pars Int	Total termedia: Total termedia:	1/46 (2%) 0/48 (0%) 2/289 (0.69%) 0/46 (0%) 1/48 (2%) 1/289 (0.35%)	0/47 (0%) Mean 0.71%  0/48 (0%) 0/47 (0%) Mean 0.35%	0/50 (0%) SD 1.1% 0/50 (0%) 0/50 (0%) SD 0.85%		4/50 (8%) 39/295 (13.22%) 0/46 (0%) 0/50 (0%) 5/295 (1.69%)	5/50 (10%) Mean 13.21% 2/50 (4%) 0/50 (0%) Mean 1.67%	6/49 (12%) SD 4.3% 2/50 (4%) 1/49 (2%) SD 1.97%		

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1

**Toxicology Data Management System** 

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Report Date: 03/22/2010

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

Route: INHALATION Vehicle: AIR

Length of Study: CHRONIC

			Male		Female	1
*Prostate:						
		0/49 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/49 (0%)		
Overall Incidence	Total	0/298 (0%)	Mean 0%	SD 0%		
*Prostate: Carcinoma or Adenoma						
		0/49 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/49 (0%)		
Overall Incidence	Total	0/298 (0%)	Mean 0%	SD 0%		
*Prostate: Hemangioma						
		0/49 (0%)	0/50 (0%)	0/50 (0%)		
		0/50 (0%)	0/50 (0%)	0/49 (0%)		
Overall Incidence	Total	0/298 (0%)	Mean 0%	SD 0%		
*Salivary Glands: Carcinoma						
		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%) 0/50 (0%)	• •
Overall Incidence	Total	0/298 (0%)	Mean 0%	SD 0%	Total 0/299 (0%) Mean 0%	SD 0%
*Salivary Glands: Carcinoma or Adenoma						
		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%) 0/50 (0%)	. ,
Overall Incidence	Total	0/298 (0%)	Mean 0%	SD 0%	Total 0/299 (0%) Mean 0%	SD 0%

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

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	
*Salivary Glands: Mast Cell Tumor Malignant	t							
		0/49 (0%)	0/49 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	0/50 (0%) 0/298 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/299 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Seminal Vesicle: Adenoma								
		1/50 (2%)	0/50 (0%)	0/50 (0%)				
O	T-1-1	0/50 (0%)	0/50 (0%)	0/50 (0%)				
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%				
#Skeletal Muscle: Fibrosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (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%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
#Skeletal Muscle: Myxosarcoma								
-		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

Strain: B6C3F1

**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	
#Skeletal Muscle: Rhabdomyosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Skeletal Muscle: Rhabdomyosarcoma o	r Rhabdomyoma							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (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%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (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%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Skin: Basal Cell Adenoma, B	asosquamous T	umor Benign, or Trichoe	pithelioma					
, <u>-</u>		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

**Toxicology Data Management System** 

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male				Female	
∜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%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Skin:								
Basal Cell Carcinoma o	or Basosquamou	us Tumor (malignant or N	,	2/22 (22/)		0/=0 (00/)	0.750 (00.1)	0/=0 (00/)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Duranali Imalidanaa	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)	Tatal	0/50 (0%)	0/50 (0%)	0/50 (0%)
verall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Skin:	Basal Cell Aden	oma, Basosquamous Tui	mor (benign, malignan			0/50 (0%)	0/50 (0%)	0/50 (0%)
Skin: Basal Cell Carcinoma, NOS), or Trichoepitheli  verall Incidence	Basal Cell Adendioma	oma, Basosquamous Tur	nor (benign, malignan 0/50 (0%) 0/50 (0%) Mean 0%	0/50 (0%) 0/50 (0%) SD 0%	Total	0/50 (0%) 0/50 (0%) 0/300 (0%)	0/50 (0%) 0/50 (0%) Mean 0%	0/50 (0%) 0/50 (0%) SD 0%
Skin:  Basal Cell Carcinoma,  NOS), or Trichoepitheli  Overall Incidence  Skin:  Basal or Sq. Cell Carcin	Basal Cell Adendioma  Total  noma, Carcinom	oma, Basosquamous Tur 0/50 (0%) 0/50 (0%) 0/300 (0%) a, Basosq. Tumor (M or I	nor (benign, malignan 0/50 (0%) 0/50 (0%) Mean 0% 3), Basal Cell Adenom	0/50 (0%) 0/50 (0%) SD 0%	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Skin:  Basal Cell Carcinoma,  NOS), or Trichoepitheli  Overall Incidence  Skin:  Basal or Sq. Cell Carcin	Basal Cell Adendioma  Total  noma, Carcinom	oma, Basosquamous Tur 0/50 (0%) 0/50 (0%) 0/300 (0%) aa, Basosq. Tumor (M or I eratoacanthoma, Trichoeg 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) Mean 0% 3), Basal Cell Adenomouthelioma 0/50 (0%)	0/50 (0%) 0/50 (0%) SD 0%	Total	0/50 (0%) 0/300 (0%) 0/50 (0%)	0/50 (0%) Mean 0% 1/50 (2%)	0/50 (0%) SD 0% 0/50 (0%)
Skin:  Basal Cell Carcinoma, NOS), or Trichoepitheli  Overall Incidence  Skin:  Basal or Sq. Cell Carcin Adenoma, Papilloma, S	Basal Cell Adencioma  Total  noma, Carcinom Sq Papilloma, Ke	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/300 (0%) a, Basosq. Tumor (M or I eratoacanthoma, Trichoep 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) Mean 0% 3), Basal Cell Adenomonithelioma 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) SD 0% sa, 0/50 (0%) 0/50 (0%)		0/50 (0%) 0/300 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) Mean 0%  1/50 (2%) 0/50 (0%)	0/50 (0%) SD 0% 0/50 (0%) 0/50 (0%)
Skin:  Basal Cell Carcinoma, NOS), or Trichoepitheli  Overall Incidence  Skin:  Basal or Sq. Cell Carcin Adenoma, Papilloma, S	Basal Cell Adendioma  Total  noma, Carcinom	oma, Basosquamous Tur 0/50 (0%) 0/50 (0%) 0/300 (0%) aa, Basosq. Tumor (M or I eratoacanthoma, Trichoeg 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) Mean 0% 3), Basal Cell Adenomouthelioma 0/50 (0%)	0/50 (0%) 0/50 (0%) SD 0%	Total Total	0/50 (0%) 0/300 (0%) 0/50 (0%)	0/50 (0%) Mean 0% 1/50 (2%)	0/50 (0%) SD 0% 0/50 (0%)
Skin: Basal Cell Carcinoma, NOS), or Trichoepitheli Overall Incidence Skin: Basal or Sq. Cell Carcin Adenoma, Papilloma, Soverall Incidence	Basal Cell Adendioma  Total  noma, Carcinom Sq Papilloma, Ke	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/300 (0%) a, Basosq. Tumor (M or I eratoacanthoma, Trichoep 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) Mean 0% 3), Basal Cell Adenomonithelioma 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) SD 0% sa, 0/50 (0%) 0/50 (0%)		0/50 (0%) 0/300 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) Mean 0%  1/50 (2%) 0/50 (0%)	0/50 (0%) SD 0% 0/50 (0%) 0/50 (0%)
Skin:  Basal Cell Carcinoma,  NOS), or Trichoepitheli  Overall Incidence  Skin:  Basal or Sq. Cell Carcin  Adenoma, Papilloma, So	Basal Cell Adendioma  Total  noma, Carcinom Sq Papilloma, Ke	oma, Basosquamous Tur 0/50 (0%) 0/50 (0%) 0/300 (0%) a, Basosq. Tumor (M or I eratoacanthoma, Trichoep 0/50 (0%) 0/50 (0%) 0/300 (0%)	mor (benign, malignan 0/50 (0%) 0/50 (0%) Mean 0% 3), Basal Cell Adenom oithelioma 0/50 (0%) 0/50 (0%) Mean 0%	0/50 (0%) 0/50 (0%) SD 0% sa, 0/50 (0%) 0/50 (0%) SD 0%		0/50 (0%) 0/300 (0%) 0/50 (0%) 0/50 (0%) 1/300 (0.33%)	0/50 (0%) Mean 0%  1/50 (2%) 0/50 (0%) Mean 0.33%	0/50 (0%) SD 0% 0/50 (0%) 0/50 (0%) SD 0.82%
NOS), or Trichoepitheli  Overall Incidence  #Skin: Basal or Sq. Cell Carcii Adenoma, Papilloma, S  Overall Incidence	Basal Cell Adendioma  Total  noma, Carcinom Sq Papilloma, Ke	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/300 (0%) a, Basosq. Tumor (M or I eratoacanthoma, Trichoep 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) Mean 0% 3), Basal Cell Adenomonithelioma 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) SD 0% sa, 0/50 (0%) 0/50 (0%)		0/50 (0%) 0/300 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) Mean 0%  1/50 (2%) 0/50 (0%)	0/50 (0%) SD 0% 0/50 (0%) 0/50 (0%)

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1

**Toxicology Data Management System** 

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Report Date: 03/22/2010

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

Route: INHALATION Vehicle: AIR

Length of Study: CHRONIC

			Male				Female	
≄Skin: 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%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Skin: Fibroma, Fibrosarcoma	a. Sarcoma. Mv)	coma, Myxosarcoma, or F	ibrous Histiocytoma					
	., •a. ••a, <i>y</i> :	0/50 (0%)	2/50 (4%)	1/50 (2%)		8/50 (16%)	0/50 (0%)	4/50 (8%)
		0/50 (0%)	0/50 (0%)	2/50 (4%)		6/50 (12%)	2/50 (4%)	1/50 (2%)
Overall Incidence	Total	5/300 (1.67%)	Mean 1.67%	SD 1.97%	Total	21/300 (7%)	Mean 7%	SD 6.16%
#Skin: Fibrosarcoma Overall Incidence	Total	0/50 (0%) 0/50 (0%) 0/300 (0%)	0/50 (0%) 0/50 (0%) Mean 0%	0/50 (0%) 0/50 (0%) SD 0%	Total	0/50 (0%) 0/50 (0%) 0/300 (0%)	0/50 (0%) 0/50 (0%) Mean 0%	0/50 (0%) 0/50 (0%) SD 0%
#Skin: Fibrosarcoma, Sarcom	a, Myxosarcom	a, or Fibrous Histiocytom	a					
		0/50 (0%) 0/50 (0%)	2/50 (4%) 0/50 (0%)	1/50 (2%) 2/50 (4%)		8/50 (16%) 6/50 (12%)	0/50 (0%) 2/50 (4%)	4/50 (8%) 1/50 (2%)
Overall Incidence	Total	5/300 (1.67%)	Mean 1.67%	SD 1.97%	Total	21/300 (7%)	Mean 7%	SD 6.16%
#Skin: Fibrous Histiocytoma								
		0/50 (0%)	1/50 (2%)	0/50 (0%)		1/50 (2%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

Strain: B6C3F1

**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	
#Skin: Granular Cell Tumor Beni	ign							
		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	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	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Skin: Hemangioma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 1/300 (0.33%)	0/50 (0%) Mean 0.33%	1/50 (2%) SD 0.82%	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
#Skin: Hemangiosarcoma								
J		0/50 (0%)	0/50 (0%)	1/50 (2%)		1/50 (2%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	1/50 (2%) 4/300 (1.33%)	0/50 (0%) Mean 1.33%	2/50 (4%) SD 1.63%	Total	1/50 (2%) 3/300 (1%)	0/50 (0%) Mean 1%	0/50 (0%) SD 1.1%
#Skin: Liposarcoma								
•		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	1/50 (2%) 1/300 (0.33%)	0/50 (0%) Mean 0.33%	0/50 (0%) SD 0.82%
#Skin: Mast Cell Tumor Benign								
Ū		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

**Toxicology Data Management System** 

Contract/Lab: All Laboratories

Tumor Incidence for Selected Control Animal Groups

Report Date: 03/22/2010

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Species: MICE Strain: B6C3F1 Route: INHALATION Vehicle: AIR

Length of Study: CHRONIC

			Male				Female	
#Skin: Myxosarcoma								
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Skin: Neurofibrosarcoma or	· Schwannoma (m	valignant or NOS)						
Neuronbrosarcoma or	Scriwariiloilia (ii	0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
neuronbrosarcoma, n	euronbroma, or s	Schwannoma (benign, ma	ilignant or NOS)					
Overall Incidence	Total	0/50 (0%) 0/50 (0%) 0/50 (0%) 0/300 (0%)	0/50 (0%) 0/50 (0%) 0/50 (0%) Mean 0%	0/50 (0%) 0/50 (0%) SD 0%	Total	0/50 (0%) 0/50 (0%) 0/300 (0%)	0/50 (0%) 0/50 (0%) Mean 0%	0/50 (0%) 0/50 (0%) SD 0%
Overall Incidence		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%)	Total	0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence Skin:		0/50 (0%) 0/50 (0%) 0/300 (0%)	0/50 (0%) 0/50 (0%) Mean 0%	0/50 (0%) SD 0%	Total	0/50 (0%) 0/300 (0%)	0/50 (0%) Mean 0%	0/50 (0%) SD 0%
Overall Incidence #Skin: Osteosarcoma		0/50 (0%) 0/50 (0%) 0/300 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) Mean 0%	0/50 (0%) SD 0% 0/50 (0%)	Total Total	0/50 (0%) 0/300 (0%) 0/50 (0%)	0/50 (0%) Mean 0% 0/50 (0%)	0/50 (0%) SD 0% 0/50 (0%)
Overall Incidence	Total	0/50 (0%) 0/50 (0%) 0/300 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%) Mean 0% 0/50 (0%) 0/50 (0%)	0/50 (0%) SD 0% 0/50 (0%) 0/50 (0%)		0/50 (0%) 0/300 (0%) 0/50 (0%) 0/50 (0%)	0/50 (0%) Mean 0% 0/50 (0%) 0/50 (0%)	0/50 (0%) SD 0% 0/50 (0%) 0/50 (0%)
Overall Incidence #Skin: Osteosarcoma Overall Incidence #Skin:	Total	0/50 (0%) 0/50 (0%) 0/300 (0%)  0/50 (0%)  0/50 (0%)  0/300 (0%)  0/50 (0%)	0/50 (0%) 0/50 (0%) Mean 0% 0/50 (0%) 0/50 (0%)	0/50 (0%) SD 0% 0/50 (0%) 0/50 (0%) SD 0%		0/50 (0%) 0/300 (0%) 0/50 (0%) 0/50 (0%) 0/300 (0%) 7/50 (14%)	0/50 (0%) Mean 0% 0/50 (0%) 0/50 (0%)	0/50 (0%) SD 0% 0/50 (0%) 0/50 (0%) SD 0% 4/50 (8%)
Overall Incidence #Skin: Osteosarcoma Overall Incidence #Skin:	Total	0/50 (0%) 0/50 (0%) 0/300 (0%)  0/50 (0%)  0/50 (0%) 0/50 (0%)  0/300 (0%)	0/50 (0%) 0/50 (0%) Mean 0% 0/50 (0%) 0/50 (0%) Mean 0%	0/50 (0%) SD 0% 0/50 (0%) 0/50 (0%) SD 0%		0/50 (0%) 0/300 (0%)  0/50 (0%)  0/50 (0%)  0/300 (0%)	0/50 (0%) Mean 0%  0/50 (0%) 0/50 (0%) Mean 0%	0/50 (0%) SD 0% 0/50 (0%) 0/50 (0%) SD 0%

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

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		
#Skin: Schwannoma Malignant												
_		0/50 (0%	,	(0%)	0/50	(0%)		0/50 (09	,	` ,	`	%)
		0/50 (0%	%) 0/50	(0%)	0/50	(0%)		0/50 (09	%) 0/50	(0%)	0/50 (0	%)
Overall Incidence	Total	0/300 (0%)	Mean	0%	SD 0%		Total	0/300 (0%)	M	ean 0%	SD 0%	
#Skin: Squamous Cell Carcinoma												
		0/50 (0%	%) 0/50	(0%)	0/50	(0%)		0/50 (09	%) 1/50	(2%)	0/50 (0	%)
		0/50 (0%	%) 0/50	(0%)	0/50	(0%)		0/50 (09	%) 0/50	(0%)	0/50 (0	%)
Overall Incidence	Total	0/300 (0%)	Mean	0%	SD 0%		Total	1/300 (0.33%)	) Me	an 0.33%	SD 0.82%	)
or Carcinoma Overall Incidence	Total	0/50 (0% 0/50 (0%) 0/300 (0%)	,	(0%) (0%) 0%	0/50 0/50 SD 0%	(0%) (0%)	Total	0/50 (0° 0/50 (0° 1/300 (0.33%)	%) 0/50	` ,	0/50 (0 0/50 (0 SD 0.82%	,
#Skin:		0/300 (0/0)							,		0.0270	
Squamous Cell Papilloma		0/50 /00	0() 0/50	(00()	0/50	(00/)		0/50 /0	0/50	(00/)	0/50 /0	0()
		0/50 (0%	,	(0%)	0/50	(0%) (0%)		0/50 (0° 0/50 (0°	,	` ,	0/50 (0 0/50 (0	,
		0/50 /09	9/. \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \									
Overall Incidence	Total	0/50 (0%)	,	(0%) 0%	0/50 SD 0%	(0%)	Total	`	,	` ,	•	%)
Overall Incidence	Total	0/50 (0%) 0/300 (0%)	%) 0/50 Mean	` ,	0/50 SD 0%	(0%)	Total	0/300 (0%)	,	lean 0%	SD 0%	%) 
Overall Incidence #Skin: Squamous Cell Papilloma o		`	,	` ,			Total	`	,	` ,	•	%) 
#Skin:		0/300 (0%)	Mean	(0%)	SD 0% 0/50	(0%)	Total	0/300 (0%) 0/50 (0 <sup>6</sup>	/ // // // // // // // // // // // // /	lean 0%	SD 0% 0/50 (0	%)
#Skin:		0/300 (0%)	Mean	(0%) (0%)	SD 0%	(0%) (0%)	Total Total	0/300 (0%)	M %) 0/50 %) 0/50	lean 0%	SD 0%	 %)

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

**Toxicology Data Management System** 

Contract/Lab: All Laboratories

Tumor Incidence for Selected Control Animal Groups Species: MICE Route: INHALATION Strain: B6C3F1 Vehicle: AIR

Length of Study: CHRONIC

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			Male				Female	
#Skin:								
Squamous Cell Papillon	na, Papilloma, S	•						
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
#Skin:								
Squamous Cell Papillon	na, Papilloma, o							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (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%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Skin: Sebaceous Gland: 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%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
#Skin: Sebaceous Gland: 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%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

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:** 178

			Male				Female	
#Skin: Sebaceous 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%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
#Spinal Cord: Meningioma 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%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
*Spleen: Fibrous Histiocytoma								
		0/48 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/296 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%
*Spleen: Hemangioma								
_		0/48 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/296 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%
*Spleen: Hemangiosarcoma								
		2/48 (4%)	0/50 (0%)	3/50 (6%)		1/50 (2%)	0/49 (0%)	2/50 (4%)
		1/50 (2%)	1/49 (2%)	1/49 (2%)		0/50 (0%)	1/50 (2%)	1/50 (2%)
Overall Incidence	Total	8/296 (2.7%)	Mean 2.71%	SD 2.08%	Total	5/299 (1.67%)	Mean 1.67%	SD 1.51%

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

Strain: B6C3F1

**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

**Page:** 179

			Male				Female	
*Spleen: Mast Cell Tumor Malignan	t							
		0/48 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/296 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%
*Spleen: Plasma Cell Tumor Malign	ant							
_		0/48 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/49 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/296 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%
#Stomach, Forestomach: Mast Cell Tumor Malignan	t							
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Stomach, Forestomach: Squamous Cell Carcinoma	1							
		0/50 (0%)	0/50 (0%)	2/50 (4%)		0/50 (0%)	1/50 (2%)	1/50 (2%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	2/300 (0.67%)	Mean 0.67%	SD 1.63%	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%
#Stomach, Forestomach: Squamous Cell Carcinoma	a or Papillom	na Squamous						
•	•	0/50 (0%)	1/50 (2%)	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%)	1/50 (2%)
Overall Incidence	Total	3/300 (1%)	Mean 1%	SD 1.67%	Total	5/300 (1.67%)	Mean 1.67%	SD 0.82%

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

Strain: B6C3F1

**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

Page: 180 Report Date: 03/22/2010

			Male				Female	
#Stomach, Forestomach: Squamous Cell Papilloma								
		0/50 (0%) 0/50 (0%)	1/50 (2%) 0/50 (0%)	0/50 (0%) 0/50 (0%)		0/50 (0%) 1/50 (2%)	0/50 (0%) 1/50 (2%)	0/50 (0%) 1/50 (2%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	3/300 (1%)	Mean 1%	SD 1.1%
#Stomach, Glandular: 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%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 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%)		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
Testes:								
		0/50 (0%)	1/50 (2%)	0/50 (0%)				
Overall Incidence	Total	0/50 (0%) 1/300 (0.33%)	0/50 (0%) Mean 0.33%	0/50 (0%) SD 0.82%				
Thymus: Thymoma Benign								
•		0/38 (0%)	0/45 (0%)	0/38 (0%)		0/49 (0%)	0/49 (0%)	0/47 (0%)
Overall Incidence	Total	0/41 (0%) 0/256 (0%)	0/47 (0%) Mean 0%	0/47 (0%) SD 0%	Total	0/50 (0%) 0/292 (0%)	0/49 (0%) Mean 0%	0/48 (0%) SD 0%

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

**Toxicology Data Management System** 

Contract/Lab: All Laboratories

Species: MICE Strain: B6C3F1

Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: INHALATION Vehicle: AIR

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			Male				Female	
Thymus: Thymoma Malignant								
		0/38 (0%)	0/45 (0%)	0/38 (0%)		0/49 (0%)	0/49 (0%)	0/47 (0%)
		0/41 (0%)	0/47 (0%)	0/47 (0%)		0/50 (0%)	0/49 (0%)	0/48 (0%)
Overall Incidence	Total	0/256 (0%)	Mean 0%	SD 0%	Total	0/292 (0%)	Mean 0%	SD 0%
'Thymus: Thymoma: Benign, Maligna	ant, NOS							
		0/38 (0%)	0/45 (0%)	0/38 (0%)		0/49 (0%)	0/49 (0%)	0/47 (0%)
		0/41 (0%)	0/47 (0%)	0/47 (0%)		0/50 (0%)	0/49 (0%)	0/48 (0%)
Overall Incidence	Total	0/256 (0%)	Mean 0%	SD 0%	Total	0/292 (0%)	Mean 0%	SD 0%
*Thyroid Gland: C-Cell: Carcinoma								
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/297 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%
Thyroid Gland: C-Cell: Carcinoma or Adenoma								
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/49 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/297 (0%)	Mean 0%	SD 0%	Total	0/299 (0%)	Mean 0%	SD 0%
*Thyroid Gland: Follicular Ce Adenoma								
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	1/50 (2%)	0/50 (0%)
		3/50 (6%)	0/49 (0%)	0/49 (0%)		3/50 (6%)	2/50 (4%)	0/50 (0%)
Overall Incidence	Total	3/297 (1.01%)	Mean 1%	SD 2.45%	Total	6/299 (2.01%)	Mean 2%	SD 2.53%

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

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	
Thyroid Gland: Follicular C Carcinoma	Cell:							
		0/49 (0%)	` ,	0/50 (0%)		0/49 (0%)	1/50 (2%)	0/50 (0%)
		0/50 (0%)	` '	0/49 (0%)		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	0/297 (0%)	Mean 0%	SD 0%	Total	2/299 (0.67%)	Mean 0.67%	SD 1.03%
*Thyroid Gland: Follicular C Carcinoma or Adenoma	Cell:							
		0/49 (0%)	0/50 (0%)	0/50 (0%)		0/49 (0%)	2/50 (4%)	0/50 (0%)
		3/50 (6%)	0/49 (0%)	0/49 (0%)		3/50 (6%)	2/50 (4%)	1/50 (2%)
Overall Incidence	Total	3/297 (1.01%)		D 2.45%	Total	8/299 (2.68%)	Mean 2.67%	SD 2.42%
#Tissue NOS: 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%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
#Tissue NOS: 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%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Tissue NOS: Plasma Cell Tumor Maligr	nant							
·		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	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	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

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:** 183

			Male				Female	
#Tissue NOS: 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%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (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%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	Total	0/300 (0%)	Mean 0%	SD 0%
#Tongue: Squamous Cell Carcinoma								
		0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	0/300 (0%)	Mean 0%	SD 0%
#Tongue: Squamous Cell Carcinoma	or Papillom	a Squamous						
·	•	0/50 (0%)	1/50 (2%)	0/50 (0%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	1/50 (2%)	0/50 (0%)
Overall Incidence	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%
#Tongue: Squamous Cell Papilloma								
		0/50 (0%)	0/50 (0%)	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	0/300 (0%)	Mean 0%	SD 0%	Total	1/300 (0.33%)	Mean 0.33%	SD 0.82%

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

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: 184

			Male				Female	
#Tooth: Odontoma								
		0/50 (0%)	0/50 (0%)	2/50 (4%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	3/300 (1%)	Mean 1%	SD 1.67%	Total	0/300 (0%)	Mean 0%	SD 0%
Urinary Bladder: Hemangioma								
		0/47 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/48 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/49 (0%)		0/49 (0%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	0/295 (0%)	Mean 0%	SD 0%	Total	0/296 (0%)	Mean 0%	SD 0%
*Urinary Bladder: Hemangiosarcoma								
		0/47 (0%)	0/50 (0%)	0/50 (0%)		1/50 (2%)	0/48 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/49 (0%)		0/49 (0%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	0/295 (0%)	Mean 0%	SD 0%	Total	1/296 (0.34%)	Mean 0.33%	SD 0.82%
Urinary Bladder: Plasma Cell Tumor Mal	ignant							
		0/47 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/48 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/49 (0%)		0/49 (0%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	0/295 (0%)	Mean 0%	SD 0%	Total	0/296 (0%)	Mean 0%	SD 0%
*Urinary Bladder: Sarcoma								
		0/47 (0%)	0/50 (0%)	0/50 (0%)		0/50 (0%)	0/48 (0%)	0/50 (0%)
		0/50 (0%)	0/49 (0%)	0/49 (0%)		0/49 (0%)	0/50 (0%)	0/49 (0%)
Overall Incidence	Total	0/295 (0%)	Mean 0%	SD 0%	Total	0/296 (0%)	Mean 0%	SD 0%

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1

## **Toxicology Data Management System**

Tumor Incidence for Selected Control Animal Groups

Page: 185

Report Date: 03/22/2010

Route: INHALATION Vehicle: AIR

Length of Study: CHRONIC

Contract/Lab: All Laboratories

Male			Female	
EUterus: Adenoma				
Adenoma		0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%
Uterus: Carcinoma				
		0/50 (0%)	3/50 (6%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	4/300 (1.33%)	Mean 1.33%	SD 2.42%
Uterus:				
Hemangioma				
·		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%
Uterus: Hemangiosarcoma				
Tioman grood to the		0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	1/50 (2%)
Overall Incidence	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%
Uterus: Leiomyoma				
		0/50 (0%)	0/50 (0%)	0/50 (0%)
		1/50 (2%)	0/50 (0%)	0/50 (0%)

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

Species: MICE

Strain: B6C3F1

# **Toxicology Data Management System**

Tumor Incidence for Selected Control Animal Groups

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Report Date: 03/22/2010

Route: INHALATION Vehicle: AIR

Length of Study: CHRONIC

Contract/Lab: All Laboratories

	Male		Female	
#Uterus:				
Leiomyosarcoma		0/50 (00/)	0/50 (00/)	0/50 (00/)
		0/50 (0%)	0/50 (0%)	0/50 (0%)
Normall In address of	Tarak	0/50 (0%)	1/50 (2%)	1/50 (2%)
Overall Incidence	Total	2/300 (0.67%)	Mean 0.67%	SD 1.03%
Uterus: Polyp Stromal				
		0/50 (0%)	3/50 (6%)	1/50 (2%)
		3/50 (6%)	2/50 (4%)	1/50 (2%)
Overall Incidence	Total	10/300 (3.33%)	Mean 3.33%	SD 2.42%
#Uterus: Sarcoma Stromal		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%
Uterus: Sarcoma Stromal or Polyp Stromal				
		0/50 (0%)	3/50 (6%)	1/50 (2%)
		3/50 (6%)	2/50 (4%)	1/50 (2%)
verall Incidence	Total	10/300 (3.33%)	Mean 3.33%	SD 2.42%
Uterus: Schwannoma Malignant				
-		0/50 (0%)	0/50 (0%)	0/50 (0%)
		0/50 (0%)	0/50 (0%)	0/50 (0%)
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied

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			
#Vagina: Liposarcoma	Total	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	
#Vagina: Squamous Cell Papilloma		0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	0/50 (0%) 0/50 (0%)	
Overall Incidence	Total	0/300 (0%)	Mean 0%	SD 0%	

<sup>\*:</sup> Denominator is number of animals with tissues examined microscopically

<sup>#:</sup> Denominator is number of animals necropsied