

**TDMs No.** 99017 - 06

**P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS  
ABRIDGED) (a)**

**Date Report Requested:** 10/23/2008

**Test Type:** CHRONIC

Diethylamine

**Time Report Requested:** 13:20:12

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**CAS Number:** 109-89-7

**First Dose M/F:** 08/18/03 / 08/18/03

**Species/Strain:** MICE/B6C3F1

**Lab:** BNW

F1\_M3

**C Number:** C99017

**Lock Date:** 08/01/2006

**Cage Range:** ALL

**Date Range:** ALL

**Reasons For Removal:** ALL

**Removal Date Range:** ALL

**Treatment Groups:** Include ALL

**Study Gender:** Both

**TDMSE Version:** 2.0.0

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First Dose M/F: 08/18/03 / 08/18/03

Species/Strain: MICE/B6C3F1

Lab: BNW

B6C3F1 MICE MALE	CONTROL	16 PPM	31 PPM	62.5 PPM
<b>Disposition Summary</b>				
Animals Initially in Study	50	50	50	50
Early Deaths				
Moribund Sacrifice	15	10	12	11
Natural Death	4	2	6	2
Survivors				
Terminal Sacrifice	31	38	32	37
Animals Examined Microscopically	50	50	50	50
<b>ALIMENTARY SYSTEM</b>				
Gallbladder	(36)	(42)	(41)	(38)
Adenoma			1 (2%)	
Intestine Large, Cecum	(50)	(50)	(50)	(50)
Carcinoma		1 (2%)	1 (2%)	
Intestine Large, Colon	(50)	(50)	(50)	(50)
Serosa, Carcinoma, Metastatic, Pancreas		1 (2%)		
Intestine Large, Rectum	(50)	(50)	(50)	(50)
Intestine Small, Duodenum	(49)	(50)	(50)	(50)
Serosa, Carcinoma, Metastatic, Pancreas		1 (2%)		
Intestine Small, Ileum	(50)	(50)	(50)	(50)
Carcinoma		1 (2%)		
Hemangiosarcoma			1 (2%)	
Polyp Adenomatous				1 (2%)
Serosa, Carcinoma, Metastatic, Pancreas		1 (2%)		
Intestine Small, Jejunum	(50)	(50)	(50)	(50)
Carcinoma	2 (4%)			1 (2%)
Serosa, Sarcoma, Metastatic, Uncertain Primary Site	1 (2%)			
Liver	(50)	(50)	(50)	(50)
Carcinoma, Metastatic, Pancreas		1 (2%)		
Hemangiosarcoma	2 (4%)	1 (2%)	4 (8%)	1 (2%)
Hepatoblastoma	1 (2%)	1 (2%)		
Hepatocellular Adenoma	14 (28%)	21 (42%)	15 (30%)	20 (40%)

a - Number of animals examined microscopically at site and number of animals with lesion

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Species/Strain: MICE/B6C3F1

Lab: BNW

B6C3F1 MICE MALE	CONTROL	16 PPM	31 PPM	62.5 PPM
Hepatocellular Adenoma, Multiple	14 (28%)	8 (16%)	13 (26%)	11 (22%)
Hepatocellular Carcinoma	14 (28%)	14 (28%)	11 (22%)	16 (32%)
Hepatocellular Carcinoma, Multiple	6 (12%)	3 (6%)	3 (6%)	4 (8%)
Mesentery	(10)	(6)	(4)	(8)
Carcinoma, Metastatic, Pancreas		1 (17%)		
Carcinoma, Metastatic, Uncertain Primary Site			1 (25%)	
Hemangiosarcoma	1 (10%)			3 (38%)
Hepatoblastoma, Metastatic, Liver	1 (10%)			
Sarcoma, Metastatic, Uncertain Primary Site	1 (10%)			
Pancreas	(50)	(50)	(49)	(50)
Carcinoma		1 (2%)		
Sarcoma, Metastatic, Uncertain Primary Site	1 (2%)			
Salivary Glands	(50)	(50)	(50)	(50)
Fibrous Histiocytoma, Metastatic, Skin				1 (2%)
Sarcoma				1 (2%)
Stomach, Forestomach	(50)	(50)	(50)	(50)
Squamous Cell Carcinoma	2 (4%)			
Squamous Cell Papilloma				1 (2%)
Stomach, Glandular	(50)	(50)	(50)	(50)
Carcinoma, Metastatic, Pancreas		1 (2%)		
Tooth	(6)	(6)	(8)	(5)
Odontoma	2 (33%)	3 (50%)	3 (38%)	

## CARDIOVASCULAR SYSTEM

Blood Vessel	(0)	(1)	(0)	(1)
Aorta, Carcinoma, Metastatic, Pancreas		1 (100%)		
Heart	(50)	(50)	(50)	(50)
Carcinoma, Metastatic, Pancreas		1 (2%)		
Hemangiosarcoma	1 (2%)	1 (2%)	1 (2%)	
Hepatoblastoma, Metastatic, Liver	1 (2%)			
Hepatocellular Carcinoma, Metastatic, Liver			2 (4%)	
Sarcoma, Metastatic, Uncertain Primary Site			1 (2%)	
Pericardium, Alveolar/Bronchiolar Carcinoma, Metastatic, Lung	1 (2%)			

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Lab: BNW

B6C3F1 MICE MALE	CONTROL	16 PPM	31 PPM	62.5 PPM
<b>ENDOCRINE SYSTEM</b>				
Adrenal Cortex	(50)	(50)	(50)	(50)
Adenoma	1 (2%)	3 (6%)	2 (4%)	1 (2%)
Carcinoma, Metastatic, Pancreas		1 (2%)		
Capsule, Sarcoma, Metastatic, Uncertain Primary Site	1 (2%)			
Subcapsular, Adenoma	5 (10%)	2 (4%)	4 (8%)	1 (2%)
Adrenal Medulla	(50)	(50)	(50)	(50)
Pheochromocytoma Benign				1 (2%)
Islets, Pancreatic	(50)	(50)	(49)	(50)
Adenoma	2 (4%)	1 (2%)		1 (2%)
Carcinoma				1 (2%)
Carcinoma, Metastatic, Pancreas		1 (2%)		
Parathyroid Gland	(28)	(32)	(25)	(21)
Pituitary Gland	(50)	(50)	(49)	(50)
Pars Distalis, Oligodendroglioma Malignant, Metastatic, Brain			1 (2%)	
Thyroid Gland	(50)	(50)	(48)	(49)
Sarcoma, Metastatic, Skeletal Muscle				1 (2%)
Follicular Cell, Adenoma		2 (4%)		
<b>GENERAL BODY SYSTEM</b>				
Peritoneum	(1)	(0)	(0)	(0)
<b>GENITAL SYSTEM</b>				
Coagulating Gland	(0)	(1)	(0)	(0)
Carcinoma, Metastatic, Pancreas		1 (100%)		
Epididymis	(49)	(50)	(50)	(50)
Carcinoma, Metastatic, Pancreas		1 (2%)		
Fibrous Histiocytoma, Metastatic, Skin				1 (2%)
Hemangiosarcoma		1 (2%)		
Penis	(0)	(0)	(0)	(2)
Preputial Gland	(50)	(50)	(50)	(50)
Fibrous Histiocytoma, Metastatic, Skin				1 (2%)
Prostate	(50)	(50)	(50)	(49)

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B6C3F1 MICE MALE	CONTROL	16 PPM	31 PPM	62.5 PPM
Carcinoma, Metastatic, Pancreas		1 (2%)		
Fibrous Histiocytoma, Metastatic, Skin				1 (2%)
Seminal Vesicle	(50)	(50)	(50)	(50)
Carcinoma, Metastatic, Pancreas		1 (2%)		
Testes	(50)	(50)	(50)	(50)
Carcinoma, Metastatic, Pancreas		1 (2%)		
Fibrous Histiocytoma, Metastatic, Skin				1 (2%)
<b>HEMATOPOIETIC SYSTEM</b>				
Bone Marrow	(50)	(50)	(50)	(50)
Fibrous Histiocytoma, Metastatic, Skin				1 (2%)
Hemangiosarcoma	2 (4%)	2 (4%)		
Oligodendroglioma Malignant, Metastatic, Brain			1 (2%)	
Lymph Node	(0)	(5)	(5)	(0)
Carcinoma, Metastatic, Pancreas		1 (20%)		
Iliac, Sarcoma, Metastatic, Uncertain Primary Site			1 (20%)	
Renal, Hemangiosarcoma		1 (20%)		
Lymph Node, Bronchial	(20)	(29)	(25)	(25)
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung	1 (5%)			
Carcinoma, Metastatic, Pancreas		1 (3%)		
Hepatoblastoma, Metastatic, Liver	1 (5%)			
Hepatocellular Carcinoma, Metastatic, Liver	1 (5%)		1 (4%)	1 (4%)
Lymph Node, Mandibular	(16)	(20)	(18)	(20)
Hemangiosarcoma		1 (5%)		
Lymph Node, Mediastinal	(33)	(35)	(36)	(38)
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung	1 (3%)			
Carcinoma, Metastatic, Pancreas		1 (3%)		
Hepatoblastoma, Metastatic, Liver	1 (3%)			
Hepatocellular Carcinoma, Metastatic, Liver	1 (3%)		1 (3%)	
Sarcoma, Metastatic, Uncertain Primary Site	1 (3%)			
Lymph Node, Mesenteric	(49)	(47)	(48)	(50)
Carcinoma, Metastatic, Intestine Large,		1 (2%)		

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B6C3F1 MICE MALE	CONTROL	16 PPM	31 PPM	62.5 PPM
Cecum				
Carcinoma, Metastatic, Pancreas		1 (2%)		
Carcinoma, Metastatic, Uncertain Primary Site			1 (2%)	
Hemangiosarcoma				1 (2%)
Spleen	(50)	(50)	(49)	(50)
Hemangiosarcoma	3 (6%)	4 (8%)	4 (8%)	1 (2%)
Thymus	(38)	(36)	(36)	(37)
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung	1 (3%)			1 (3%)
Hepatoblastoma, Metastatic, Liver	1 (3%)			
Hepatocellular Carcinoma, Metastatic, Liver			1 (3%)	
Sarcoma, Metastatic, Uncertain Primary Site	1 (3%)		1 (3%)	
<b>INTEGUMENTARY SYSTEM</b>				
Skin	(50)	(50)	(49)	(50)
Subcutaneous Tissue, Fibroma			1 (2%)	
Subcutaneous Tissue, Fibrous Histiocytoma		2 (4%)		1 (2%)
Subcutaneous Tissue, Hemangiosarcoma	1 (2%)	1 (2%)	1 (2%)	
Subcutaneous Tissue, Sarcoma	1 (2%)			
<b>MUSCULOSKELETAL SYSTEM</b>				
Bone	(50)	(50)	(49)	(50)
Hemangiosarcoma	1 (2%)	1 (2%)		
Maxilla, Carcinoma, Metastatic, Harderian Gland				1 (2%)
Skeletal Muscle	(2)	(3)	(3)	(1)
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung	1 (50%)			
Carcinoma, Metastatic, Pancreas		1 (33%)		
Hemangiosarcoma		1 (33%)	2 (67%)	
Sarcoma				1 (100%)
Sarcoma, Metastatic, Uncertain Primary	1 (50%)		1 (33%)	

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Lab: BNW

B6C3F1 MICE MALE	CONTROL	16 PPM	31 PPM	62.5 PPM
Site				
<b>NERVOUS SYSTEM</b>				
Brain	(50)	(50)	(50)	(50)
Carcinoma, Metastatic, Harderian Gland				2 (4%)
Fibrous Histiocytoma, Metastatic, Skin				1 (2%)
Meningioma Benign	1 (2%)			
Oligodendroglioma Malignant			1 (2%)	
Peripheral Nerve	(0)	(1)	(1)	(0)
<b>RESPIRATORY SYSTEM</b>				
Larynx	(50)	(50)	(50)	(50)
Lung	(50)	(50)	(50)	(50)
Alveolar/Bronchiolar Adenoma	4 (8%)	4 (8%)	5 (10%)	3 (6%)
Alveolar/Bronchiolar Carcinoma	12 (24%)	10 (20%)	9 (18%)	9 (18%)
Alveolar/Bronchiolar Carcinoma, Multiple			1 (2%)	
Carcinoma, Metastatic, Harderian Gland		1 (2%)		
Carcinoma, Metastatic, Intestine Small, Jejunum	1 (2%)			
Carcinoma, Metastatic, Pancreas		1 (2%)		
Hemangiosarcoma			1 (2%)	
Hepatoblastoma, Metastatic, Liver	1 (2%)	1 (2%)		
Hepatocellular Carcinoma, Metastatic, Liver	8 (16%)	6 (12%)	6 (12%)	9 (18%)
Sarcoma, Metastatic, Uncertain Primary Site	1 (2%)		1 (2%)	
Nose	(50)	(50)	(50)	(50)
Fibrous Histiocytoma, Metastatic, Skin				1 (2%)
Oligodendroglioma Malignant, Metastatic, Brain			1 (2%)	
Pleura	(1)	(0)	(0)	(0)
Trachea	(50)	(50)	(50)	(50)
Sarcoma, Metastatic, Skeletal Muscle				1 (2%)
<b>SPECIAL SENSES SYSTEM</b>				
Eye	(50)	(50)	(50)	(50)

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Lab: BNW

B6C3F1 MICE MALE	CONTROL	16 PPM	31 PPM	62.5 PPM
Harderian Gland	(50)	(50)	(50)	(50)
Adenoma	4 (8%)	6 (12%)	2 (4%)	1 (2%)
Carcinoma	4 (8%)	7 (14%)	1 (2%)	3 (6%)
<b>URINARY SYSTEM</b>				
Kidney	(50)	(50)	(49)	(50)
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung	1 (2%)	1 (2%)		
Carcinoma, Metastatic, Pancreas		1 (2%)		
Hepatocellular Carcinoma, Metastatic, Liver			1 (2%)	
Sarcoma, Metastatic, Uncertain Primary Site	1 (2%)		1 (2%)	
Renal Tubule, Adenoma			1 (2%)	
Renal Tubule, Carcinoma			1 (2%)	
Urethra	(0)	(0)	(1)	(0)
Bulbourethral Gland, Carcinoma			1 (100%)	
Urinary Bladder	(50)	(50)	(49)	(50)
<b>SYSTEMIC LESIONS</b>				
Multiple Organs	*(50)	*(50)	*(50)	*(50)
Histiocytic Sarcoma	1 (2%)	2 (4%)	1 (2%)	1 (2%)
Lymphoma Malignant	2 (4%)	3 (6%)	3 (6%)	
Mesothelioma Malignant	1 (2%)			

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\* Number of animals with any tissue examined microscopically



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B6C3F1 MICE MALE	CONTROL	16 PPM	31 PPM	62.5 PPM
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**Tumor Summary for Males**

<b>Total Animals with Primary Neoplasms (b)</b>	48	46	47	44
<b>Total Primary Neoplasms</b>	104	109	94	85
<b>Total Animals with Benign Neoplasms</b>	33	34	34	34
<b>Total Benign Neoplasms</b>	47	50	47	41
<b>Total Animals with Malignant Neoplasms</b>	36	34	31	32
<b>Total Malignant Neoplasms</b>	57	59	47	44
<b>Total Animals with Metastatic Neoplasms</b>	12	10	8	14
<b>Total Metastatic Neoplasms</b>	42	32	23	24
<b>Total Animals with Malignant Neoplasms Uncertain Primary Site</b>	1		1	
<b>Total Animals with Neoplasms Uncertain-Benign or Malignant</b>				
<b>Total Uncertain Neoplasms</b>				

\*\*\* END OF MALE \*\*\*

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors

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Species/Strain: MICE/B6C3F1

Lab: BNW

B6C3F1 MICE FEMALE	CONTROL	16 PPM	31 PPM	62.5 PPM
<b>Disposition Summary</b>				
Animals Initially in Study	50	50	50	50
Early Deaths				
Moribund Sacrifice	13	11	7	10
Natural Death	5	4	7	1
Survivors				
Terminal Sacrifice	32	35	36	39
Animals Examined Microscopically	50	50	50	50
<b>ALIMENTARY SYSTEM</b>				
Esophagus	(50)	(50)	(50)	(50)
Gallbladder	(38)	(45)	(44)	(42)
Intestine Large, Cecum	(50)	(50)	(50)	(50)
Leiomyoma	1 (2%)			
Polyp Adenomatous		1 (2%)		
Intestine Large, Rectum	(50)	(50)	(50)	(50)
Intestine Small, Duodenum	(50)	(50)	(49)	(50)
Intestine Small, Ileum	(50)	(50)	(50)	(50)
Sarcoma				1 (2%)
Intestine Small, Jejunum	(50)	(50)	(50)	(50)
Polyp Adenomatous			1 (2%)	
Liver	(50)	(50)	(50)	(50)
Hemangiosarcoma	1 (2%)	1 (2%)		
Hepatocellular Adenoma	8 (16%)	14 (28%)	14 (28%)	10 (20%)
Hepatocellular Adenoma, Multiple	6 (12%)	5 (10%)	3 (6%)	
Hepatocellular Carcinoma	2 (4%)	5 (10%)	6 (12%)	1 (2%)
Hepatocellular Carcinoma, Multiple	2 (4%)		1 (2%)	1 (2%)
Rhabdomyosarcoma, Metastatic, Skeletal Muscle				1 (2%)
Mesentery	(12)	(16)	(15)	(10)
Carcinoma, Metastatic, Urinary Bladder				1 (10%)
Hemangiosarcoma	2 (17%)			1 (10%)
Rhabdomyosarcoma, Metastatic, Skeletal Muscle				1 (10%)
Sarcoma, Metastatic, Intestine Small, Ileum				1 (10%)

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B6C3F1 MICE FEMALE	CONTROL	16 PPM	31 PPM	62.5 PPM
Sarcoma, Metastatic, Skin	1 (8%)		1 (7%)	
Oral Mucosa	(1)	(0)	(0)	(0)
Pancreas	(50)	(50)	(50)	(50)
Adenoma			1 (2%)	
Carcinoma, Metastatic, Urinary Bladder				1 (2%)
Rhabdomyosarcoma, Metastatic, Skeletal Muscle				1 (2%)
Sarcoma, Metastatic, Intestine Small, Ileum				1 (2%)
Sarcoma, Metastatic, Skin	1 (2%)			
Salivary Glands	(49)	(50)	(50)	(50)
Stomach, Forestomach	(50)	(50)	(50)	(50)
Sarcoma, Metastatic, Skin			1 (2%)	
Squamous Cell Carcinoma	1 (2%)			
Squamous Cell Papilloma			1 (2%)	1 (2%)
Stomach, Glandular	(50)	(50)	(50)	(50)
Tooth	(0)	(0)	(0)	(1)
<b>CARDIOVASCULAR SYSTEM</b>				
Blood Vessel	(2)	(0)	(1)	(0)
Heart	(50)	(50)	(50)	(50)
<b>ENDOCRINE SYSTEM</b>				
Adrenal Cortex	(50)	(50)	(50)	(50)
Adenoma	1 (2%)	1 (2%)		
Subcapsular, Adenoma		1 (2%)		2 (4%)
Adrenal Medulla	(50)	(50)	(50)	(49)
Pheochromocytoma Benign		1 (2%)		1 (2%)
Pheochromocytoma Malignant		1 (2%)	1 (2%)	
Islets, Pancreatic	(50)	(50)	(50)	(50)
Adenoma				1 (2%)
Parathyroid Gland	(23)	(32)	(33)	(33)
Pituitary Gland	(50)	(50)	(50)	(49)
Pars Distalis, Adenoma	10 (20%)	5 (10%)	6 (12%)	7 (14%)
Pars Distalis, Carcinoma		1 (2%)		
Pars Distalis, Schwannoma Malignant, Metastatic, Uncertain Primary Site			1 (2%)	

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Lab: BNW

B6C3F1 MICE FEMALE	CONTROL	16 PPM	31 PPM	62.5 PPM
Pars Intermedia, Adenoma	2 (4%)	1 (2%)		1 (2%)
Thyroid Gland	(50)	(50)	(50)	(50)
Follicular Cell, Adenoma		1 (2%)	1 (2%)	
<b>GENERAL BODY SYSTEM</b>				
Peritoneum	(0)	(0)	(0)	(1)
<b>GENITAL SYSTEM</b>				
Clitoral Gland	(46)	(43)	(43)	(46)
Sarcoma, Metastatic, Skin	1 (2%)	1 (2%)		
Ovary	(49)	(50)	(50)	(50)
Carcinoma, Metastatic, Mammary Gland	1 (2%)			
Cystadenocarcinoma		1 (2%)		
Cystadenoma	3 (6%)	2 (4%)		
Hemangiosarcoma	1 (2%)			
Luteoma		1 (2%)	1 (2%)	1 (2%)
Rhabdomyosarcoma, Metastatic, Skeletal Muscle				1 (2%)
Periovarian Tissue, Carcinoma, Metastatic, Urinary Bladder				1 (2%)
Uterus	(50)	(50)	(50)	(50)
Cystadenocarcinoma, Metastatic, Ovary		1 (2%)		
Hemangiosarcoma				1 (2%)
Leiomyoma		1 (2%)		1 (2%)
Polyp Stromal	1 (2%)	2 (4%)	2 (4%)	
Sarcoma, Metastatic, Intestine Small, Ileum				1 (2%)
Sarcoma Stromal		1 (2%)		
Vagina	(0)	(0)	(1)	(0)
<b>HEMATOPOIETIC SYSTEM</b>				
Bone Marrow	(50)	(50)	(50)	(50)
Hemangiosarcoma	1 (2%)	1 (2%)		
Lymph Node	(5)	(6)	(11)	(5)
Iliac, Hemangiosarcoma		1 (17%)		
Lymph Node, Bronchial	(29)	(32)	(31)	(38)

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Lab: BNW

B6C3F1 MICE FEMALE	CONTROL	16 PPM	31 PPM	62.5 PPM
Carcinoma, Metastatic, Mammary Gland	1 (3%)			
Hemangiosarcoma	1 (3%)			
Lymph Node, Mandibular	(23)	(40)	(30)	(33)
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung	1 (4%)			
Mast Cell Tumor Malignant, Metastatic, Uncertain Primary Site				1 (3%)
Lymph Node, Mediastinal	(34)	(33)	(44)	(40)
Sarcoma, Metastatic, Intestine Small, Ileum				1 (3%)
Sarcoma, Metastatic, Skin	1 (3%)		1 (2%)	
Lymph Node, Mesenteric	(50)	(46)	(46)	(49)
Carcinoma, Metastatic, Urinary Bladder				1 (2%)
Hemangiosarcoma	1 (2%)			
Sarcoma, Metastatic, Intestine Small, Ileum				1 (2%)
Spleen	(50)	(50)	(50)	(50)
Hemangiosarcoma	2 (4%)			
Capsule, Carcinoma, Metastatic, Urinary Bladder				1 (2%)
Capsule, Rhabdomyosarcoma, Metastatic, Skeletal Muscle				1 (2%)
Thymus	(47)	(47)	(45)	(47)
Sarcoma, Metastatic, Intestine Small, Ileum				1 (2%)
<b>INTEGUMENTARY SYSTEM</b>				
Mammary Gland	(50)	(50)	(50)	(49)
Carcinoma	4 (8%)	1 (2%)	2 (4%)	
Fibroadenoma	1 (2%)			
Sarcoma, Metastatic, Skin		1 (2%)		
Skin	(50)	(50)	(50)	(50)
Squamous Cell Carcinoma		1 (2%)	1 (2%)	
Subcutaneous Tissue, Fibrous		1 (2%)		
Histiocytoma				
Subcutaneous Tissue, Hemangiosarcoma		1 (2%)		
Subcutaneous Tissue, Sarcoma	3 (6%)	1 (2%)	5 (10%)	2 (4%)
Subcutaneous Tissue, Sarcoma, Multiple	1 (2%)		1 (2%)	

a - Number of animals examined microscopically at site and number of animals with lesion

Test Type: CHRONIC

Diethylamine

Time Report Requested: 13:20:12

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 109-89-7

First Dose M/F: 08/18/03 / 08/18/03

Species/Strain: MICE/B6C3F1

Lab: BNW

B6C3F1 MICE FEMALE	CONTROL	16 PPM	31 PPM	62.5 PPM
<b>MUSCULOSKELETAL SYSTEM</b>				
Bone	(49)	(50)	(50)	(49)
Sarcoma, Metastatic, Skin	1 (2%)			
Cranium, Schwannoma Malignant, Metastatic, Uncertain Primary Site			1 (2%)	
Skeletal Muscle	(1)	(2)	(2)	(3)
Carcinoma, Metastatic, Urinary Bladder				1 (33%)
Rhabdomyosarcoma		1 (50%)		1 (33%)
Sarcoma, Metastatic, Skin	1 (100%)			
<b>NERVOUS SYSTEM</b>				
Brain	(50)	(50)	(50)	(50)
Meninges, Carcinoma, Metastatic, Pituitary Gland		1 (2%)		
Meninges, Schwannoma Malignant, Metastatic, Uncertain Primary Site			1 (2%)	
Peripheral Nerve	(0)	(2)	(0)	(1)
Spinal Cord	(1)	(1)	(0)	(1)
Sarcoma, Metastatic, Skin	1 (100%)			
<b>RESPIRATORY SYSTEM</b>				
Larynx	(50)	(50)	(50)	(50)
Lung	(50)	(50)	(50)	(50)
Alveolar/Bronchiolar Adenoma	2 (4%)	3 (6%)	1 (2%)	4 (8%)
Alveolar/Bronchiolar Adenoma, Multiple			1 (2%)	
Alveolar/Bronchiolar Carcinoma	3 (6%)	1 (2%)	4 (8%)	1 (2%)
Carcinoma, Metastatic, Mammary Gland	1 (2%)			
Hepatocellular Carcinoma, Metastatic, Liver	2 (4%)	2 (4%)	2 (4%)	1 (2%)
Sarcoma, Metastatic, Skin			1 (2%)	
Mediastinum, Hemangiosarcoma	1 (2%)			
Nose	(50)	(49)	(50)	(50)
Trachea	(50)	(50)	(50)	(50)

a - Number of animals examined microscopically at site and number of animals with lesion

Test Type: CHRONIC

Time Report Requested: 13:20:12

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 109-89-7

First Dose M/F: 08/18/03 / 08/18/03

Species/Strain: MICE/B6C3F1

Lab: BNW

B6C3F1 MICE FEMALE	CONTROL	16 PPM	31 PPM	62.5 PPM
<b>SPECIAL SENSES SYSTEM</b>				
Eye	(50)	(50)	(50)	(50)
Harderian Gland	(50)	(50)	(50)	(50)
Adenoma	3 (6%)	1 (2%)		5 (10%)
Carcinoma	2 (4%)	1 (2%)		4 (8%)
<b>URINARY SYSTEM</b>				
Kidney	(50)	(50)	(50)	(50)
Urinary Bladder	(50)	(50)	(49)	(50)
Transitional Epithelium, Carcinoma				1 (2%)
<b>SYSTEMIC LESIONS</b>				
Multiple Organs	*(50)	*(50)	*(50)	*(50)
Histiocytic Sarcoma	1 (2%)			1 (2%)
Lymphoma Malignant	8 (16%)	15 (30%)	15 (30%)	13 (26%)

a - Number of animals examined microscopically at site and number of animals with lesion

\* Number of animals with any tissue examined microscopically

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 109-89-7

Time Report Requested: 13:20:12

Species/Strain: MICE/B6C3F1

First Dose M/F: 08/18/03 / 08/18/03

Lab: BNW

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B6C3F1 MICE FEMALE	CONTROL	16 PPM	31 PPM	62.5 PPM
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**Tumor Summary for Females**

<b>Total Animals with Primary Neoplasms (b)</b>	41	40	40	41
<b>Total Primary Neoplasms</b>	75	75	68	62
<b>Total Animals with Benign Neoplasms</b>	25	28	26	26
<b>Total Benign Neoplasms</b>	38	40	32	34
<b>Total Animals with Malignant Neoplasms</b>	23	28	29	26
<b>Total Malignant Neoplasms</b>	37	35	36	28
<b>Total Animals with Metastatic Neoplasms</b>	7	5	5	5
<b>Total Metastatic Neoplasms</b>	13	6	9	19
<b>Total Animals with Malignant Neoplasms Uncertain Primary Site</b>			1	1
<b>Total Animals with Neoplasms Uncertain-Benign or Malignant</b>				
<b>Total Uncertain Neoplasms</b>				

\*\*\* END OF REPORT \*\*\*

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors