

TDMS No. 96015 - 06

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: MICE/B6C3F1

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

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

CAS Number: 3252-43-5

Date Report Reqsted: 07/11/2006

Time Report Reqsted: 07:41:52

First Dose M/F: 08/22/01 / 08/22/01

Lab: SRI

F1_M3

C Number: C96015
Lock Date: 04/30/2004
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL

Test Type: CHRONIC

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

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First Dose M/F: 08/22/01 / 08/22/01

Species/Strain: MICE/B6C3F1

Lab: SRI

B6C3F1 MICE MALE	0 MG/L	50 MG/L	100 MG/L	200 MG/L
Disposition Summary				
Animals Initially in Study	50	50	50	50
Early Deaths				
Accidently Killed				1
Moribund Sacrifice	4	5	2	3
Natural Death	6	5	13	4
Survivors				
Terminal Sacrifice	40	40	35	42
Animals Examined Microscopically	50	50	50	50
ALIMENTARY SYSTEM				
Intestine Large, Cecum	(48)	(48)	(48)	(50)
Leiomyoma			1 (2%)	
Intestine Large, Colon	(50)	(50)	(50)	(50)
Intestine Small, Duodenum	(47)	(48)	(47)	(49)
Adenoma	1 (2%)			
Carcinoma		1 (2%)	2 (4%)	
Intestine Small, Ileum	(47)	(50)	(48)	(49)
Carcinoma			1 (2%)	
Intestine Small, Jejunum	(47)	(49)	(48)	(49)
Adenoma			1 (2%)	
Carcinoma	1 (2%)	1 (2%)	1 (2%)	
Liver	(50)	(50)	(50)	(50)
Carcinoma, Metastatic, Salivary Glands	1 (2%)			
Hemangioma	1 (2%)			1 (2%)
Hemangiosarcoma		1 (2%)		3 (6%)
Hepatoblastoma	1 (2%)	7 (14%)	3 (6%)	2 (4%)
Hepatocellular Adenoma	15 (30%)	20 (40%)	18 (36%)	12 (24%)
Hepatocellular Adenoma, Multiple	14 (28%)	18 (36%)	17 (34%)	15 (30%)
Hepatocellular Carcinoma	18 (36%)	17 (34%)	14 (28%)	19 (38%)
Hepatocellular Carcinoma, Multiple	6 (12%)	7 (14%)	7 (14%)	10 (20%)
Ito Cell Tumor Malignant	2 (4%)			
Mesentery	(12)	(12)	(5)	(2)
Pancreas	(50)	(50)	(50)	(50)
Hemangiosarcoma		1 (2%)		
Salivary Glands	(50)	(50)	(50)	(50)

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

Test Type: CHRONIC

WATER DISINFECTION BYPRODUCTS (DIBROMOACETONITRILE)

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Species/Strain: MICE/B6C3F1

Lab: SRI

B6C3F1 MICE MALE	0 MG/L	50 MG/L	100 MG/L	200 MG/L
Carcinoma	1 (2%)			
Stomach, Forestomach	(50)	(50)	(50)	(50)
Squamous Cell Carcinoma				2 (4%)
Squamous Cell Papilloma				3 (6%)
Squamous Cell Papilloma, Multiple		1 (2%)		
Stomach, Glandular	(50)	(49)	(50)	(50)
Mast Cell Tumor Malignant				1 (2%)
Tooth	(3)	(0)	(1)	(0)
CARDIOVASCULAR SYSTEM				
Blood Vessel	(0)	(1)	(0)	(0)
Heart	(50)	(50)	(50)	(50)
Carcinoma, Metastatic, Salivary Glands	1 (2%)			
Hepatocellular Carcinoma, Metastatic, Liver			1 (2%)	
ENDOCRINE SYSTEM				
Adrenal Cortex	(50)	(50)	(50)	(50)
Subcapsular, Adenoma	6 (12%)	2 (4%)	1 (2%)	3 (6%)
Subcapsular, Carcinoma		1 (2%)		
Adrenal Medulla	(49)	(49)	(50)	(50)
Neuroblastoma			1 (2%)	
Pheochromocytoma Benign	1 (2%)		1 (2%)	
Islets, Pancreatic	(50)	(50)	(50)	(50)
Adenoma	1 (2%)		1 (2%)	
Parathyroid Gland	(35)	(28)	(37)	(26)
Pituitary Gland	(49)	(50)	(50)	(50)
Pars Intermedia, Adenoma				1 (2%)
Thyroid Gland	(50)	(50)	(50)	(50)
Follicular Cell, Adenoma	2 (4%)	4 (8%)	1 (2%)	2 (4%)
Follicular Cell, Adenoma, Multiple	1 (2%)		1 (2%)	
GENERAL BODY SYSTEM				
None				
GENITAL SYSTEM				

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Lab: SRI

B6C3F1 MICE MALE	0 MG/L	50 MG/L	100 MG/L	200 MG/L
Epididymis	(50)	(50)	(50)	(50)
Preputial Gland	(49)	(50)	(50)	(50)
Adenoma	1 (2%)			
Prostate	(50)	(50)	(50)	(50)
Seminal Vesicle	(50)	(50)	(50)	(50)
Testes	(50)	(50)	(50)	(50)
Hemangiosarcoma				1 (2%)
Interstitial Cell, Adenoma	1 (2%)		1 (2%)	2 (4%)
HEMATOPOIETIC SYSTEM				
Bone Marrow	(50)	(50)	(50)	(50)
Hemangioma			1 (2%)	
Mast Cell Tumor Malignant				1 (2%)
Lymph Node	(0)	(2)	(1)	(0)
Mediastinal, Alveolar/Bronchiolar Carcinoma, Metastatic, Lung			1 (100%)	
Lymph Node, Mandibular	(46)	(49)	(45)	(45)
Lymph Node, Mesenteric	(48)	(48)	(47)	(50)
Spleen	(50)	(50)	(50)	(50)
Hemangiosarcoma	1 (2%)			1 (2%)
Mast Cell Tumor Malignant				1 (2%)
Thymus	(44)	(47)	(43)	(47)
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung			1 (2%)	
Hepatocellular Carcinoma, Metastatic, Liver			1 (2%)	
INTEGUMENTARY SYSTEM				
Skin	(50)	(50)	(50)	(50)
Carcinoma, Metastatic, Salivary Glands	1 (2%)			
Sebaceous Gland, Adenoma				1 (2%)
Subcutaneous Tissue, Hemangiosarcoma		1 (2%)		1 (2%)
MUSCULOSKELETAL SYSTEM				
Bone	(50)	(50)	(50)	(50)
Skeletal Muscle	(0)	(0)	(2)	(0)
Hepatocellular Carcinoma, Metastatic, Liver			2 (100%)	

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Species/Strain: MICE/B6C3F1

Lab: SRI

B6C3F1 MICE MALE	0 MG/L	50 MG/L	100 MG/L	200 MG/L
NERVOUS SYSTEM				
Brain	(50)	(50)	(50)	(50)
Peripheral Nerve	(1)	(1)	(1)	(0)
RESPIRATORY SYSTEM				
Lung	(50)	(50)	(50)	(50)
Alveolar/Bronchiolar Adenoma	5 (10%)	8 (16%)	5 (10%)	4 (8%)
Alveolar/Bronchiolar Adenoma, Multiple	1 (2%)	1 (2%)		
Alveolar/Bronchiolar Carcinoma	3 (6%)	8 (16%)	5 (10%)	2 (4%)
Alveolar/Bronchiolar Carcinoma, Multiple	1 (2%)		1 (2%)	
Carcinoma, Metastatic, Harderian Gland			1 (2%)	
Carcinoma, Metastatic, Salivary Glands	1 (2%)			
Hepatocellular Carcinoma, Metastatic, Liver	5 (10%)	6 (12%)	6 (12%)	5 (10%)
Nose	(50)	(50)	(50)	(50)
SPECIAL SENSES SYSTEM				
Ear	(0)	(1)	(0)	(0)
Pinna, Neural Crest Tumor		1 (100%)		
Eye	(50)	(50)	(50)	(50)
Harderian Gland	(50)	(50)	(50)	(50)
Adenoma	5 (10%)	9 (18%)	4 (8%)	5 (10%)
Carcinoma		2 (4%)	1 (2%)	
URINARY SYSTEM				
Kidney	(50)	(50)	(50)	(50)
Carcinoma, Metastatic, Salivary Glands	1 (2%)			
Renal Tubule, Adenoma		1 (2%)	3 (6%)	2 (4%)
Urethra	(0)	(0)	(0)	(1)
Urinary Bladder	(50)	(50)	(50)	(50)
SYSTEMIC LESIONS				
Multiple Organs	*(50)	*(50)	*(50)	*(50)

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

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Time Report Reqsted: 07:41:52

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First Dose M/F: 08/22/01 / 08/22/01

Species/Strain: MICE/B6C3F1

Lab: SRI

B6C3F1 MICE MALE	0 MG/L	50 MG/L	100 MG/L	200 MG/L
Histiocytic Sarcoma		1 (2%)	1 (2%)	
Lymphoma Malignant		2 (4%)	4 (8%)	

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

Time Report Requested: 07:41:52

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Species/Strain: MICE/B6C3F1

Lab: SRI

B6C3F1 MICE MALE	0 MG/L	50 MG/L	100 MG/L	200 MG/L
Tumor Summary for Males				
Total Animals with Primary Neoplasms (b)	41	49	47	44
Total Primary Neoplasms	89	115	97	95
Total Animals with Benign Neoplasms	32	45	39	33
Total Benign Neoplasms	55	64	56	51
Total Animals with Malignant Neoplasms	29	38	29	33
Total Malignant Neoplasms	34	50	41	44
Total Animals with Metastatic Neoplasms	6	6	8	5
Total Metastatic Neoplasms	10	6	13	5
Total Animals with Malignant Neoplasms Uncertain Primary Site				
Total Animals with Neoplasms Uncertain-Benign or Malignant		1		
Total Uncertain Neoplasms		1		

*** 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: SRI

B6C3F1 MICE FEMALE	0 MG/L	50 MG/L	100 MG/L	200 MG/L
Disposition Summary				
Animals Initially in Study	50	50	50	50
Early Deaths				
Accidently Killed		3	3	
Moribund Sacrifice	3	5		1
Natural Death	11	6	4	2
Survivors				
Natural Death	1		1	1
Terminal Sacrifice	35	36	42	46
Animals Examined Microscopically	50	50	50	50
ALIMENTARY SYSTEM				
Gallbladder	(46)	(49)	(49)	(45)
Intestine Large, Cecum	(46)	(47)	(48)	(48)
Leiomyoma				1 (2%)
Leiomyosarcoma			1 (2%)	
Intestine Small, Duodenum	(47)	(47)	(47)	(50)
Adenoma			1 (2%)	
Fibrosarcoma, Metastatic, Skin				1 (2%)
Intestine Small, Ileum	(47)	(47)	(49)	(50)
Intestine Small, Jejunum	(45)	(47)	(49)	(50)
Carcinoma			1 (2%)	
Liver	(50)	(50)	(50)	(50)
Fibrosarcoma, Metastatic, Skin	1 (2%)			
Hemangiosarcoma	2 (4%)		2 (4%)	2 (4%)
Hepatocellular Adenoma	16 (32%)	15 (30%)	11 (22%)	9 (18%)
Hepatocellular Adenoma, Multiple	3 (6%)	6 (12%)	13 (26%)	11 (22%)
Hepatocellular Carcinoma	9 (18%)	10 (20%)	5 (10%)	3 (6%)
Hepatocellular Carcinoma, Multiple	1 (2%)		2 (4%)	1 (2%)
Hepatocholangiocarcinoma				1 (2%)
Sarcoma, Metastatic, Skeletal Muscle			1 (2%)	
Mesentery	(12)	(13)	(15)	(7)
Sarcoma			1 (7%)	
Sarcoma, Metastatic, Skeletal Muscle			1 (7%)	
Sarcoma, Metastatic, Skin				1 (14%)
Pancreas	(49)	(50)	(48)	(50)

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Species/Strain: MICE/B6C3F1

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B6C3F1 MICE FEMALE	0 MG/L	50 MG/L	100 MG/L	200 MG/L
Fibrosarcoma, Metastatic, Skin				1 (2%)
Sarcoma, Metastatic, Skeletal Muscle			1 (2%)	
Salivary Glands	(50)	(50)	(50)	(50)
Stomach, Forestomach	(50)	(50)	(50)	(50)
Squamous Cell Papilloma	1 (2%)		5 (10%)	13 (26%)
Squamous Cell Papilloma, Multiple				1 (2%)
Stomach, Glandular	(50)	(50)	(50)	(50)
Fibrosarcoma, Metastatic, Skin				1 (2%)
Tooth	(0)	(1)	(0)	(0)
Odontoma		1 (100%)		
CARDIOVASCULAR SYSTEM				
Heart	(50)	(50)	(50)	(50)
ENDOCRINE SYSTEM				
Adrenal Cortex	(50)	(50)	(50)	(50)
Subcapsular, Adenoma		1 (2%)		1 (2%)
Adrenal Medulla	(50)	(49)	(50)	(50)
Pheochromocytoma Benign		2 (4%)	1 (2%)	1 (2%)
Islets, Pancreatic	(49)	(50)	(48)	(50)
Adenoma	1 (2%)	1 (2%)	1 (2%)	
Parathyroid Gland	(25)	(19)	(29)	(25)
Pituitary Gland	(48)	(49)	(48)	(49)
Pars Distalis, Adenoma	2 (4%)	4 (8%)	2 (4%)	3 (6%)
Thyroid Gland	(49)	(50)	(50)	(50)
Follicular Cell, Adenoma	1 (2%)	1 (2%)	1 (2%)	1 (2%)
GENERAL BODY SYSTEM				
None				
GENITAL SYSTEM				
Clitoral Gland	(47)	(49)	(50)	(49)
Ovary	(50)	(46)	(47)	(48)
Choriocarcinoma	1 (2%)			

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Route: DOSED WATER

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First Dose M/F: 08/22/01 / 08/22/01

Species/Strain: MICE/B6C3F1

Lab: SRI

B6C3F1 MICE FEMALE	0 MG/L	50 MG/L	100 MG/L	200 MG/L
Cystadenoma	1 (2%)	1 (2%)	1 (2%)	1 (2%)
Granulosa Cell Tumor Benign	1 (2%)	1 (2%)		1 (2%)
Hemangiosarcoma		1 (2%)		
Thecoma Malignant				1 (2%)
Tubulostromal Adenoma	1 (2%)			2 (4%)
Uterus	(50)	(50)	(50)	(50)
Carcinoma				1 (2%)
Hemangiosarcoma			1 (2%)	
Polyp Stromal	1 (2%)	1 (2%)	1 (2%)	
HEMATOPOIETIC SYSTEM				
Bone Marrow	(50)	(50)	(50)	(50)
Lymph Node	(11)	(9)	(6)	(3)
Mediastinal, Choriocarcinoma, Metastatic, Ovary	1 (9%)			
Mediastinal, Fibrosarcoma, Metastatic, Skin			1 (17%)	
Renal, Fibrosarcoma, Metastatic, Skin		1 (11%)		
Lymph Node, Mandibular	(48)	(50)	(49)	(49)
Lymph Node, Mesenteric	(48)	(49)	(49)	(50)
Spleen	(48)	(50)	(48)	(50)
Hemangiosarcoma			1 (2%)	3 (6%)
Thymus	(46)	(47)	(50)	(49)
Sarcoma, Metastatic, Skeletal Muscle			1 (2%)	
INTEGUMENTARY SYSTEM				
Mammary Gland	(50)	(50)	(49)	(50)
Carcinoma	1 (2%)		1 (2%)	
Skin	(50)	(50)	(50)	(50)
Sebaceous Gland, Adenoma	1 (2%)			
Subcutaneous Tissue, Fibrosarcoma	4 (8%)	2 (4%)	2 (4%)	2 (4%)
Subcutaneous Tissue, Hemangiosarcoma	1 (2%)			1 (2%)
Subcutaneous Tissue, Sarcoma		1 (2%)	1 (2%)	1 (2%)
MUSCULOSKELETAL SYSTEM				
Bone	(50)	(50)	(50)	(50)
Osteoma		1 (2%)		

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Species/Strain: MICE/B6C3F1

Lab: SRI

B6C3F1 MICE FEMALE	0 MG/L	50 MG/L	100 MG/L	200 MG/L
Skeletal Muscle Sarcoma	(2)	(4)	(1) 1 (100%)	(0)
NERVOUS SYSTEM				
Brain	(50)	(50)	(50)	(50)
Peripheral Nerve	(2)	(2)	(0)	(0)
Spinal Cord	(2)	(2)	(0)	(0)
RESPIRATORY SYSTEM				
Lung	(50)	(50)	(50)	(50)
Alveolar/Bronchiolar Adenoma	3 (6%)	3 (6%)	7 (14%)	2 (4%)
Alveolar/Bronchiolar Carcinoma	6 (12%)	1 (2%)	1 (2%)	2 (4%)
Alveolar/Bronchiolar Carcinoma, Multiple		1 (2%)		
Fibrosarcoma, Metastatic, Skin	2 (4%)		1 (2%)	
Hepatocellular Carcinoma, Metastatic, Liver	2 (4%)			1 (2%)
Osteosarcoma, Metastatic, Uncertain Primary Site			1 (2%)	
Sarcoma, Metastatic, Skin		1 (2%)		1 (2%)
Nose	(50)	(50)	(50)	(50)
SPECIAL SENSES SYSTEM				
Eye	(50)	(50)	(50)	(49)
Harderian Gland	(50)	(50)	(50)	(50)
Adenoma	6 (12%)	4 (8%)	3 (6%)	6 (12%)
Carcinoma	2 (4%)	1 (2%)	1 (2%)	
URINARY SYSTEM				
Kidney	(50)	(50)	(50)	(50)
Sarcoma, Metastatic, Skeletal Muscle			1 (2%)	
Urinary Bladder	(50)	(50)	(50)	(50)
SYSTEMIC LESIONS				
Multiple Organs	*(50)	*(50)	*(50)	*(50)

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

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Species/Strain: MICE/B6C3F1

Lab: SRI

B6C3F1 MICE FEMALE	0 MG/L	50 MG/L	100 MG/L	200 MG/L
Histiocytic Sarcoma	4 (8%)	1 (2%)	2 (4%)	
Lymphoma Malignant	9 (18%)	7 (14%)	6 (12%)	7 (14%)

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

* Number of animals with any tissue examined microscopically

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Route: DOSED WATER

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Species/Strain: MICE/B6C3F1

Lab: SRI

B6C3F1 MICE FEMALE	0 MG/L	50 MG/L	100 MG/L	200 MG/L
Tumor Summary for Females				
Total Animals with Primary Neoplasms (b)	44	40	41	38
Total Primary Neoplasms	78	67	76	78
Total Animals with Benign Neoplasms	29	33	32	34
Total Benign Neoplasms	38	42	47	53
Total Animals with Malignant Neoplasms	31	22	20	19
Total Malignant Neoplasms	40	25	29	25
Total Animals with Metastatic Neoplasms	5	2	3	3
Total Metastatic Neoplasms	6	2	8	6
Total Animals with Malignant Neoplasms Uncertain Primary Site			1	
Total Animals with Neoplasms Uncertain-Benign or Malignant Total Uncertain Neoplasms				

*** 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