

Experiment Number: 93020-04
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a)

Test Compound: Diisopropylcarbodiimide

CAS Number: 693-13-0

Date Report Requested: 10/21/2014

Time Report Requested: 18:48:55

First Dose M/F: NA / NA

Lab: MBA

C Number:	C93020
Lock Date:	05/16/1995
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	NONE

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B6C3F1 Mouse MALE	0	MG/KG	17.5	MG/KG	35	MG/KG	70	MG/KG	140	MG/KG	280	MG/KG
Disposition Summary												
Animals Initially In Study	10		10		10		10		10		10	
Early Deaths												
Moribund Sacrifice									9		10	
Survivors												
Terminal Sacrifice	10		10		10		10		1			
Animals Examined Microscopically	10		10		10		10		10		10	
ALIMENTARY SYSTEM												
Esophagus	(10)		(0)		(0)		(9)		(10)		(10)	
Gallbladder	(10)		(0)		(0)		(9)		(9)		(10)	
Inflammation, Acute							1 (11%)					
Intestine Large, Cecum	(10)		(0)		(0)		(10)		(10)		(10)	
Intestine Large, Colon	(10)		(0)		(0)		(10)		(10)		(10)	
Intestine Large, Rectum	(10)		(0)		(0)		(10)		(10)		(10)	
Intestine Small, Duodenum	(10)		(0)		(0)		(10)		(10)		(10)	
Intestine Small, Ileum	(10)		(0)		(0)		(10)		(10)		(10)	
Intestine Small, Jejunum	(10)		(0)		(0)		(10)		(10)		(10)	
Liver	(10)		(0)		(0)		(10)		(10)		(10)	
Centrilobular, Vacuolization Cytoplasmic Hepatocyte, Necrosis, Focal							1 (10%)				2 (20%)	
Pancreas	(10)		(0)		(0)		(10)		(10)		(10)	
Acinus, Necrosis, Focal											1 (10%)	
Salivary Glands	(10)		(0)		(0)		(10)		(10)		(10)	
Infiltration Cellular, Lymphocyte, Focal	1 (10%)											
Stomach, Forestomach	(10)		(0)		(0)		(10)		(10)		(10)	
Stomach, Glandular	(10)		(0)		(0)		(10)		(10)		(10)	
CARDIOVASCULAR SYSTEM												
Blood Vessel	(10)		(0)		(0)		(10)		(10)		(10)	
Heart	(10)		(0)		(0)		(10)		(10)		(10)	

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

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B6C3F1 Mouse MALE	0	MG/KG	17.5	MG/KG	35	MG/KG	70	MG/KG	140	MG/KG	280	MG/KG
ENDOCRINE SYSTEM												
Adrenal Cortex	(10)		(0)		(0)		(10)		(10)		(10)	
Adrenal Medulla	(10)		(0)		(0)		(10)		(10)		(10)	
Islets, Pancreatic	(10)		(0)		(0)		(10)		(10)		(10)	
Parathyroid Gland	(8)		(0)		(0)		(7)		(6)		(7)	
Pituitary Gland	(8)		(0)		(0)		(10)		(9)		(10)	
Thyroid Gland	(10)		(0)		(0)		(10)		(10)		(10)	
GENERAL BODY SYSTEM												
None												
GENITAL SYSTEM												
Epididymis	(10)		(0)		(0)		(10)		(10)		(10)	
Penis	(0)		(0)		(0)		(0)		(1)		(0)	
Preputial Gland	(10)		(0)		(0)		(10)		(9)		(10)	
Bilateral, Cyst	1 (10%)											
Cyst									1 (11%)			
Prostate	(10)		(0)		(0)		(10)		(9)		(10)	
Seminal Vesicle	(10)		(0)		(0)		(10)		(10)		(10)	
Atrophy									1 (10%)			
Testes	(10)		(0)		(0)		(10)		(10)		(10)	
HEMATOPOIETIC SYSTEM												
Bone Marrow	(10)		(0)		(0)		(10)		(10)		(10)	
Angiectasis									3 (30%)			
Hyperplasia											1 (10%)	
Lymph Node, Mandibular	(9)		(0)		(0)		(10)		(10)		(10)	
Atrophy									1 (10%)			
Hyperplasia, Lymphoid	1 (11%)											
Lymph Node, Mesenteric	(10)		(0)		(0)		(10)		(10)		(10)	
Atrophy									1 (10%)		1 (10%)	

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B6C3F1 Mouse MALE	0 MG/KG	17.5 MG/KG	35 MG/KG	70 MG/KG	140 MG/KG	280 MG/KG
Necrosis	6 (60%)			8 (80%)		3 (30%)
Spleen	(10)	(9)	(4)	(10)	(10)	(10)
Lymph Follic, Atrophy					1 (10%)	
Lymph Follic, Necrosis	9 (90%)	9 (100%)	4 (100%)	8 (80%)	1 (10%)	1 (10%)
Thymus	(10)	(0)	(0)	(10)	(9)	(10)
Cyst						1 (10%)
Thymocyte, Atrophy					7 (78%)	7 (70%)
Thymocyte, Necrosis				1 (10%)		
INTEGUMENTARY SYSTEM						
Mammary Gland	(1)	(0)	(0)	(0)	(1)	(0)
Skin	(10)	(10)	(10)	(10)	(10)	(10)
Epidermis, SOA, Hyperplasia	2 (20%)	1 (10%)	1 (10%)	9 (90%)	10 (100%)	6 (60%)
Epidermis, SOA, Necrosis			1 (10%)			8 (80%)
SOA, Inflammation, Acute						2 (20%)
SOA, Inflammation, Chronic Active	2 (20%)	1 (10%)	1 (10%)		9 (90%)	8 (80%)
SOA, Necrosis						1 (10%)
SOA, Sebaceous GI, Hyperplasia				2 (20%)	5 (50%)	
Skin, Control	(0)	(0)	(0)	(1)	(0)	(1)
Inflammation, Chronic						1 (100%)
Inflammation, Chronic Active				1 (100%)		
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(0)	(0)	(10)	(10)	(10)
Skeletal Muscle	(10)	(0)	(0)	(10)	(10)	(10)
NERVOUS SYSTEM						
Brain	(10)	(0)	(0)	(10)	(10)	(10)
Peripheral Nerve	(10)	(0)	(0)	(10)	(10)	(10)
Spinal Cord	(10)	(0)	(0)	(10)	(10)	(10)
RESPIRATORY SYSTEM						

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B6C3F1 Mouse MALE	0	MG/KG	17.5	MG/KG	35	MG/KG	70	MG/KG	140	MG/KG	280	MG/KG
Lung	(10)		(0)		(0)		(10)		(10)		(10)	
Artery, Inflammation, Chronic Active, Focal							1 (10%)					
Nose	(10)		(0)		(0)		(10)		(10)		(10)	
Olfactory Epi, Degeneration, Hyaline									1 (10%)		1 (10%)	
Olfactory Epi, Necrosis											1 (10%)	
Trachea	(10)		(0)		(0)		(10)		(10)		(10)	
SPECIAL SENSES SYSTEM												
None												
URINARY SYSTEM												
Kidney	(10)		(0)		(0)		(10)		(10)		(10)	
Renal Tubule, Degeneration							1 (10%)		1 (10%)			
Urinary Bladder	(10)		(0)		(0)		(10)		(10)		(10)	
Inflammation, Chronic											1 (10%)	

END OF MALE DATA

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B6C3F1 Mouse FEMALE	0	MG/KG	17.5	MG/KG	35	MG/KG	70	MG/KG	140	MG/KG	280	MG/KG
Disposition Summary												
Animals Initially In Study	10		10		10		10		10		10	
Early Deaths												
Moribund Sacrifice									8		10	
Natural Death									1			
Survivors												
Accidentally Killed	6		8		4		7		1			
Terminal Sacrifice	4		2		6		3					
Animals Examined Microscopically	10		10		10		10		10		10	
ALIMENTARY SYSTEM												
Esophagus	(10)		(0)		(0)		(10)		(10)		(10)	
Gallbladder	(10)		(0)		(0)		(10)		(10)		(10)	
Intestine Large, Cecum	(10)		(0)		(0)		(10)		(10)		(10)	
Intestine Large, Colon	(10)		(0)		(0)		(10)		(10)		(10)	
Intestine Large, Rectum	(10)		(0)		(0)		(10)		(10)		(10)	
Intestine Small, Duodenum	(10)		(0)		(0)		(10)		(10)		(10)	
Intestine Small, Ileum	(10)		(0)		(0)		(10)		(10)		(10)	
Necrosis									1 (10%)			
Intestine Small, Jejunum	(10)		(0)		(0)		(8)		(9)		(10)	
Liver	(10)		(0)		(0)		(10)		(10)		(10)	
Hepatocyte, Vacuolization Cytoplasmic									1 (10%)		1 (10%)	
Inflammation, Acute	1 (10%)											
Mineralization, Focal	1 (10%)											
Pancreas	(10)		(0)		(0)		(10)		(10)		(10)	
Acinus, Atrophy, Focal									1 (10%)			
Salivary Glands	(10)		(0)		(0)		(10)		(10)		(10)	
Infiltration Cellular, Lymphocyte	1 (10%)											
Stomach, Forestomach	(10)		(0)		(0)		(10)		(10)		(10)	
Ulcer, Focal											1 (10%)	

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Lab: MBA

B6C3F1 Mouse FEMALE	0	MG/KG	17.5	MG/KG	35	MG/KG	70	MG/KG	140	MG/KG	280	MG/KG
Stomach, Glandular	(10)		(0)		(0)		(10)		(10)		(10)	
CARDIOVASCULAR SYSTEM												
Blood Vessel	(10)		(0)		(0)		(9)		(10)		(10)	
Heart	(10)		(0)		(0)		(10)		(10)		(10)	
ENDOCRINE SYSTEM												
Adrenal Cortex	(10)		(0)		(0)		(10)		(10)		(10)	
Bilateral, Capsule, Hyperplasia	3 (30%)						2 (20%)		1 (10%)			
Bilateral, Vacuolization Cytoplasmic Capsule, Hyperplasia	3 (30%)						3 (30%)		1 (10%)			
Adrenal Medulla	(10)		(0)		(0)		(10)		(10)		(10)	
Islets, Pancreatic	(10)		(0)		(0)		(10)		(10)		(10)	
Parathyroid Gland	(8)		(0)		(0)		(10)		(7)		(5)	
Pituitary Gland	(9)		(0)		(0)		(7)		(8)		(7)	
Thyroid Gland	(10)		(0)		(0)		(10)		(10)		(10)	
Follicle, Cyst											1 (10%)	
GENERAL BODY SYSTEM												
None												
GENITAL SYSTEM												
Clitoral Gland	(7)		(0)		(0)		(7)		(4)		(3)	
Atrophy									1 (25%)			
Cyst									1 (25%)			
Ovary	(10)		(0)		(0)		(10)		(10)		(10)	
Cyst	1 (10%)											
Uterus	(10)		(0)		(0)		(10)		(10)		(10)	
HEMATOPOIETIC SYSTEM												
Bone Marrow	(10)		(0)		(0)		(10)		(10)		(10)	
Lymph Node, Mandibular	(10)		(0)		(0)		(10)		(10)		(8)	
Hemorrhage							1 (10%)					

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B6C3F1 Mouse FEMALE	0	MG/KG	17.5	MG/KG	35	MG/KG	70	MG/KG	140	MG/KG	280	MG/KG
Lymph Node, Mesenteric	(9)		(0)		(0)		(9)		(10)		(9)	
Hyperplasia, Lymphoid	1 (11%)											
Necrosis							1 (11%)		1 (10%)		1 (11%)	
Spleen	(10)		(0)		(1)		(10)		(10)		(10)	
Hematopoietic Cell Proliferation									1 (10%)			
Hemorrhage									1 (10%)			
Lymph Follic, Necrosis	2 (20%)						2 (20%)		1 (10%)		1 (10%)	
Thymus	(10)		(0)		(0)		(10)		(9)		(10)	
Thymocyte, Atrophy									7 (78%)		7 (70%)	
INTEGUMENTARY SYSTEM												
Mammary Gland	(10)		(0)		(0)		(9)		(9)		(10)	
Skin	(9)		(10)		(10)		(10)		(10)		(10)	
Epidermis, SOA, Hyperplasia					2 (20%)		10 (100%)		10 (100%)		10 (100%)	
Epidermis, SOA, Necrosis											3 (30%)	
SOA, Inflammation, Chronic Active					2 (20%)		8 (80%)		9 (90%)		10 (100%)	
SOA, Sebaceous Gland, Hyperplasia									3 (30%)			
Skin, Control	(1)		(0)		(0)		(2)		(2)		(0)	
Epidermis, Hyperplasia							1 (50%)		1 (50%)			
Epidermis, Hyperplasia, Focal									1 (50%)			
Inflammation, Chronic	1 (100%)						1 (50%)		2 (100%)			
Inflammation, Chronic Active							1 (50%)					
MUSCULOSKELETAL SYSTEM												
Bone	(10)		(0)		(0)		(10)		(10)		(10)	
Skeletal Muscle	(10)		(0)		(0)		(10)		(10)		(10)	
NERVOUS SYSTEM												
Brain	(9)		(0)		(0)		(10)		(9)		(10)	
Brain, Cerebellum	(1)		(0)		(0)		(0)		(0)		(0)	
Inflammation, Chronic	1 (100%)											
Peripheral Nerve	(9)		(0)		(0)		(10)		(10)		(10)	

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B6C3F1 Mouse FEMALE	0	MG/KG	17.5	MG/KG	35	MG/KG	70	MG/KG	140	MG/KG	280	MG/KG
Peripheral Nerve, Sciatic Degeneration	(1)		(0)		(0)		(0)		(0)		(0)	
Spinal Cord	1 (100%)		(0)		(0)		(10)		(10)		(10)	
RESPIRATORY SYSTEM												
Lung	(10)		(0)		(0)		(10)		(10)		(10)	
Congestion											1 (10%)	
Hemorrhage									2 (20%)		1 (10%)	
Infiltration Cellular, Lymphocyte, Focal Inflammation, Granulomatous							1 (10%)					
Inflammation, Granulomatous							1 (10%)					
Nose	(10)		(0)		(0)		(10)		(10)		(10)	
Olfactory Epi, Degeneration, Hyaline	2 (20%)								1 (10%)		1 (10%)	
Respirat Epith, Degeneration, Hyaline	8 (80%)						6 (60%)		2 (20%)			
Trachea	(10)		(0)		(0)		(10)		(10)		(10)	
SPECIAL SENSES SYSTEM												
None												
URINARY SYSTEM												
Kidney	(10)		(0)		(0)		(10)		(10)		(10)	
Urinary Bladder	(10)		(0)		(0)		(10)		(10)		(9)	

** END OF REPORT **

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