

Experiment Number: 92003-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

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

Test Compound: NTP 90 diet study
CAS Number: DIET90

Date Report Requested: 10/21/2014
Time Report Requested: 22:00:28
First Dose M/F: NA / NA
Lab: NIEHS

C Number: C92003
Lock Date: 04/27/1994
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	7M	9M
Disposition Summary		
Animals Initially In Study	70	70
Early Deaths		
Moribund Sacrifice	1	
Natural Death	15	9
Survivors		
Accidentally Killed		1
Moribund Sacrifice		1
Natural Death	16	9
Terminal Sacrifice	38	50
Animals Examined Microscopically	60	65

ALIMENTARY SYSTEM

Intestine Large, Cecum	(1)	(0)
Hyperplasia, Lymphoid	1 (100%)	
Intestine Small, Jejunum	(1)	(0)
Liver	(57)	(62)
Angiectasis	2 (4%)	
Angiectasis, Focal		1 (2%)
Bile Duct, Cyst		1 (2%)
Clear Cell Focus	4 (7%)	17 (27%)
Clear Cell Focus, Multiple	4 (7%)	7 (11%)
Eosinophilic Focus	9 (16%)	8 (13%)
Eosinophilic Focus, Multiple	4 (7%)	2 (3%)
Hepatocyte, Midzonal, Vacuolization Cytoplasmic	1 (2%)	1 (2%)
Hepatocyte, Necrosis	4 (7%)	2 (3%)
Midzonal, Vacuolization Cytoplasmic		1 (2%)
Mixed Cell Focus	2 (4%)	3 (5%)
Mixed Cell Focus, Multiple	1 (2%)	
Mesentery	(1)	(3)

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B6C3F1 Mouse MALE	7M	9M
Fat, Necrosis	1 (100%)	3 (100%)
Pancreas	(48)	(59)
Acinus, Atrophy	2 (4%)	1 (2%)
Acinus, Cyst		1 (2%)
Acinus, Cytoplasmic Alteration	1 (2%)	
Acinus, Degeneration	1 (2%)	
Acinus, Degeneration, Focal		1 (2%)
Acinus, Hypertrophy	1 (2%)	
Acinus, Necrosis		1 (2%)
Acinus, Vacuolization Cytoplasmic	9 (19%)	3 (5%)
Stomach, Forestomach	(1)	(0)
Stomach, Glandular	(1)	(0)
CARDIOVASCULAR SYSTEM		
Heart	(57)	(64)
Cardiomyopathy	5 (9%)	2 (3%)
Coron Artery, Inflammation		4 (6%)
Coron Artery, Mineralization		1 (2%)
Coron Artery, Necrosis		1 (2%)
Inflammation	1 (2%)	
Myocardium, Inflammation		1 (2%)
Myocardium, Mineralization	1 (2%)	
Valve, Inflammation, Acute	1 (2%)	
ENDOCRINE SYSTEM		
Adrenal Cortex	(45)	(46)
Capsule, Hyperplasia	40 (89%)	38 (83%)
Hypertrophy	22 (49%)	25 (54%)
Infiltration Cellular, Histiocyte	1 (2%)	
Adrenal Medulla	(39)	(43)
Hypertrophy		1 (2%)

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B6C3F1 Mouse MALE	7M	9M
Islets, Pancreatic	(51)	(60)
Hyperplasia	49 (96%)	53 (88%)
Necrosis		1 (2%)
Pituitary Gland	(42)	(48)
Cyst		1 (2%)
Pars Distalis, Cyst	1 (2%)	
Thyroid Gland	(49)	(56)
Follicle, Cyst	13 (27%)	27 (48%)
Follicular Cel, Hyperplasia	16 (33%)	25 (45%)
Inflammation, Acute	1 (2%)	
GENERAL BODY SYSTEM		
Tissue NOS	(1)	(0)
GENITAL SYSTEM		
Preputial Gland	(1)	(0)
Hypertrophy	1 (100%)	
Seminal Vesicle	(39)	(26)
Hypertrophy	38 (97%)	26 (100%)
Infiltration Cellular, Megakaryocyte	1 (3%)	
Testes	(57)	(62)
Degeneration	2 (4%)	3 (5%)
Mineralization	1 (2%)	1 (2%)
HEMATOPOIETIC SYSTEM		
Lymph Node, Mandibular	(44)	(56)
Hyperplasia, Plasma Cell		1 (2%)
Infiltration Cellular, Histiocyte	2 (5%)	
Infiltration Cellular, Plasma Cell	1 (2%)	
Infiltration Cellular, Polymorphnuclr	1 (2%)	
Pigmentation	2 (5%)	
Lymph Node, Mesenteric	(45)	(53)

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B6C3F1 Mouse MALE	7M	9M
Ectasia	1 (2%)	
Erythrophagocytosis	18 (40%)	11 (21%)
Hemorrhage		1 (2%)
Infiltration Cellular, Histiocyte	32 (71%)	32 (60%)
Infiltration Cellular, Megakaryocyte	3 (7%)	1 (2%)
Inflammation, Granulomatous	1 (2%)	
Spleen	(49)	(55)
Angiectasis		1 (2%)
Hematopoietic Cell Proliferation	5 (10%)	3 (5%)
Hyperplasia, Lymphoid	3 (6%)	1 (2%)
Infiltration Cellular, Histiocyte	1 (2%)	
Thrombosis		1 (2%)
Thymus	(11)	(13)
Atrophy		1 (8%)
Epithel Cell, Hyperplasia		1 (8%)
INTEGUMENTARY SYSTEM		
Mammary Gland	(0)	(1)
Skin	(2)	(3)
Atrophy	1 (50%)	
Dermis, Atrophy	1 (50%)	
Inflammation, Chronic Active		1 (33%)
Subcut Tiss, Inflammation, Acute		1 (33%)
MUSCULOSKELETAL SYSTEM		
None		
NERVOUS SYSTEM		
Brain	(0)	(1)
RESPIRATORY SYSTEM		
Lung	(58)	(63)

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B6C3F1 Mouse MALE	7M	9M
Alveolar Epith, Hyperplasia	1 (2%)	
Alveolus, Infiltration Cellular, Histiocyte	3 (5%)	4 (6%)
Congestion	1 (2%)	
Inflammation, Granulomatous	1 (2%)	
Pleura	(1)	(0)
<hr/>		
SPECIAL SENSES SYSTEM		
Eye	(0)	(1)
Degeneration		1 (100%)
Harderian Gland	(0)	(3)
Zymbal's Gland	(1)	(0)
<hr/>		
URINARY SYSTEM		
Kidney	(53)	(61)
Cortex, Mineralization	2 (4%)	
Cyst, Focal		1 (2%)
Fibrosis	1 (2%)	
Inflammation, Acute	1 (2%)	
Metaplasia, Osseous	1 (2%)	
Nephropathy	22 (42%)	32 (52%)
Pelvis, Hydronephrosis	2 (4%)	
Pelvis, Inflammation		1 (2%)
Renal Tubule, Cyst	3 (6%)	2 (3%)
Renal Tubule, Degeneration	1 (2%)	
Renal Tubule, Dilatation	16 (30%)	14 (23%)
Urinary Bladder	(50)	(59)
Inflammation, Chronic		1 (2%)

END OF MALE DATA

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Disposition Summary		
Animals Initially In Study	70	70
Early Deaths		
Natural Death	14	7
Survivors		
Moribund Sacrifice	2	
Natural Death	5	9
Terminal Sacrifice	49	54
Animals Examined Microscopically	62	67

ALIMENTARY SYSTEM

Intestine Small, Jejunum	(1)	(0)
Liver	(60)	(62)
Angiectasis		1 (2%)
Basophilic Focus	1 (2%)	1 (2%)
Clear Cell Focus	4 (7%)	3 (5%)
Clear Cell Focus, Multiple	3 (5%)	1 (2%)
Eosinophilic Focus	14 (23%)	7 (11%)
Eosinophilic Focus, Multiple	7 (12%)	8 (13%)
Hematopoietic Cell Proliferation	1 (2%)	
Hepatocyte, Necrosis	2 (3%)	2 (3%)
Hepatocyte, Vacuolization Cytoplasmic		1 (2%)
Infiltration Cellular, Lymphocyte		1 (2%)
Infiltration Cellular, Mast Cell, Diffuse	1 (2%)	
Inflammation, Focal	2 (3%)	
Mixed Cell Focus		1 (2%)
Mixed Cell Focus, Multiple	3 (5%)	1 (2%)
Periportal, Infiltration Cellular, Lymphocyte	1 (2%)	
Mesentery	(15)	(12)
Fat, Inflammation		1 (8%)

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B6C3F1 Mouse FEMALE	7F	9F
Fat, Necrosis	15 (100%)	11 (92%)
Pancreas	(54)	(57)
Acinus, Degeneration	3 (6%)	2 (4%)
Acinus, Hypertrophy		2 (4%)
Acinus, Inflammation	5 (9%)	
Acinus, Vacuolization Cytoplasmic	1 (2%)	3 (5%)
CARDIOVASCULAR SYSTEM		
Heart	(62)	(64)
ENDOCRINE SYSTEM		
Adrenal Cortex	(52)	(52)
Capsule, Hyperplasia	52 (100%)	50 (96%)
Zona Reticul, Vacuolization Cytoplasmic		1 (2%)
Adrenal Medulla	(45)	(45)
Islets, Pancreatic	(53)	(58)
Hyperplasia	27 (51%)	22 (38%)
Pituitary Gland	(47)	(52)
Pars Distalis, Hyperplasia		5 (10%)
Thyroid Gland	(54)	(60)
Cyst	1 (2%)	
Follicle, Cyst	36 (67%)	44 (73%)
Follicular Cel, Hyperplasia	20 (37%)	42 (70%)
Inflammation	1 (2%)	
GENERAL BODY SYSTEM		
Tissue NOS	(3)	(2)
GENITAL SYSTEM		
Ovary	(52)	(59)
Bilateral, Cyst	1 (2%)	1 (2%)
Bilateral, Infiltration Cellular, Histiocyte	1 (2%)	

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B6C3F1 Mouse FEMALE	7F	9F
Cyst	14 (27%)	21 (36%)
Hemorrhage		1 (2%)
Infiltration Cellular, Lymphocyte		1 (2%)
Uterus	(58)	(63)
Bilateral, Cyst	47 (81%)	42 (67%)
Cyst	9 (16%)	12 (19%)
Inflammation, Acute		1 (2%)
Vagina	(1)	(0)
HEMATOPOIETIC SYSTEM		
Lymph Node, Mandibular	(49)	(54)
Erythrophagocytosis		3 (6%)
Hemorrhage	1 (2%)	1 (2%)
Infiltration Cellular, Mast Cell	1 (2%)	
Lymph Node, Mesenteric	(43)	(51)
Atrophy		1 (2%)
Erythrophagocytosis	3 (7%)	1 (2%)
Hyperplasia, Lymphoid	1 (2%)	1 (2%)
Infiltration Cellular, Histiocyte	26 (60%)	26 (51%)
Infiltration Cellular, Plasma Cell		1 (2%)
Spleen	(55)	(61)
Hematopoietic Cell Proliferation	14 (25%)	21 (34%)
Hyperplasia, Lymphoid	1 (2%)	3 (5%)
Infiltration Cellular, Mast Cell	1 (2%)	
Thymus	(20)	(25)
Angiectasis		1 (4%)
Epithel Cell, Hyperplasia	5 (25%)	6 (24%)
INTEGUMENTARY SYSTEM		
Mammary Gland	(0)	(1)
Skin	(4)	(7)

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B6C3F1 Mouse FEMALE	7F	9F
Hair Follicle, Atrophy		2 (29%)
Hair Follicle, Cyst		1 (14%)
MUSCULOSKELETAL SYSTEM		
None		
NERVOUS SYSTEM		
None		
RESPIRATORY SYSTEM		
Lung	(60)	(64)
Alveolar Epith, Hyperplasia	3 (5%)	
Alveolus, Infiltration Cellular, Histiocyte	1 (2%)	2 (3%)
Hemorrhage	1 (2%)	1 (2%)
Infiltration Cellular, Lymphocyte	1 (2%)	
Mediastinum, Hemorrhage		1 (2%)
Mediastinum, Inflammation, Granulomatous		1 (2%)
Pigmentation		2 (3%)
SPECIAL SENSES SYSTEM		
Eye	(1)	(0)
Harderian Gland	(1)	(4)
URINARY SYSTEM		
Kidney	(56)	(62)
Bilateral, Nephropathy		2 (3%)
Metaplasia, Osseous	2 (4%)	
Nephropathy	13 (23%)	17 (27%)
Urinary Bladder	(51)	(54)
Inflammation, Acute	1 (2%)	

**** END OF REPORT ****

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