

Experiment Number: 05119-01
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/CD-1 CRL

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

Test Compound: Diethyl phthalate/dimethyl phthalate

CAS Number: DIETH/DIMETH

Date Report Requested: 10/15/2014

Time Report Requested: 22:55:02

First Dose M/F: NA / NA

Lab: HAZLETON

C Number: C55914
Lock Date: Not Entered.
Cage Range: All
Date Range: All
Reasons For Removal: All
Removal Date Range: All
Treatment Groups: All
Study Gender: Male
PWG Approval Date: 12/23/1991

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CD-1 CRL Mouse MALE	DMBA/TPA	DMBA/ACETONE	ACETONE/TPA	DEP/TPA	DEP/ACETONE	DMBA/DEP
Disposition Summary						
Animals Initially In Study	50	50	50	50	50	50
Early Deaths						
Accidentally Killed						
Moribund Sacrifice	32	6	21	31	10	3
Natural Death	6	6	11	4	4	4
Survivors						
Moribund Sacrifice	1					
Natural Death					1	1
Terminal Sacrifice	10	38	18	14	35	42
Missing	1			1		
Animals Examined Microscopically	49	50	50	49	50	50
ALIMENTARY SYSTEM						
Esophagus	(1)	(0)	(0)	(1)	(0)	(0)
Gallbladder	(0)	(0)	(0)	(0)	(0)	(0)
Inflammation, Chronic						
Intestine Large	(0)	(0)	(0)	(0)	(0)	(0)
Mucosa, Necrosis						
Intestine Large, Cecum	(0)	(0)	(0)	(0)	(0)	(0)
Amyloid Deposition						
Edema						
Inflammation, Chronic						
Necrosis						
Intestine Large, Colon	(0)	(0)	(0)	(0)	(0)	(0)
Edema						
Intestine Large, Rectum	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Small	(0)	(0)	(0)	(0)	(0)	(0)
Cortex, Amyloid Deposition						
Intestine Small, Duodenum	(0)	(1)	(2)	(0)	(0)	(0)

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CD-1 CRL Mouse MALE	DMBA/TPA	DMBA/ACETONE	ACETONE/TPA	DEP/TPA	DEP/ACETONE	DMBA/DEP
Amyloid Deposition Inflammation, Subacute		1 (100%)				
Intestine Small, Ileum Amyloid Deposition	(1) 1 (100%)	(0)	(1)	(0)	(0)	(1)
Granuloma Hemorrhage	1 (100%)					1 (100%)
Intestine Small, Jejunum Amyloid Deposition	(0)	(0)	(1)	(0)	(1)	(0)
Liver Abscess	(8) 6 (75%)	(10) 3 (30%)	(10) 6 (60%)	(7) 5 (71%)	(9) 1 (11%)	(8) 1 (13%)
Amyloid Deposition Angiectasis	2 (25%) 1 (13%)	1 (10%)	3 (30%)	1 (14%)	2 (22%)	1 (13%)
Basophilic Focus Centrilobular, Cytomegaly						1 (13%) 1 (13%)
Clear Cell Focus Clear Cell Focus, Multiple			1 (10%)			
Cyst Cyst Multilocular						
Cytomegaly Eosinophilic Focus						
Hematopoietic Cell Proliferation Hepatocyte, Hyperplasia	3 (38%)	5 (50%)	2 (20%)	4 (57%)		2 (25%)
Hyperplasia Inflammation, Chronic, Focal						
Karyomegaly Necrosis		1 (10%)		1 (14%)	3 (33%)	1 (13%)
Necrosis, Focal Regeneration, Focal	6 (75%)		7 (70%)	3 (43%)	1 (11%)	1 (13%)
Vacuolization Cytoplasmic Vacuolization Nuclear					1 (11%)	1 (13%)

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CD-1 CRL Mouse MALE	DMBA/TPA	DMBA/ACETONE	ACETONE/TPA	DEP/TPA	DEP/ACETONE	DMBA/DEP
Mesentery	(0)	(2)	(0)	(1)	(0)	(1)
Abscess		1 (50%)				
Fat, Necrosis, Focal		1 (50%)		1 (100%)		
Inflammation, Chronic						1 (100%)
Necrosis						
Pancreas	(1)	(1)	(0)	(1)	(0)	(1)
Abscess	1 (100%)					
Edema		1 (100%)		1 (100%)		1 (100%)
Hypertrophy, Focal						
Inflammation, Subacute						
Salivary Glands	(1)	(0)	(0)	(0)	(0)	(0)
Amyloid Deposition						
Hemorrhage	1 (100%)					
Necrosis	1 (100%)					
Stomach	(0)	(0)	(1)	(0)	(0)	(0)
Mucosa, Hyperplasia						
Mucosa, Hyperplasia, Glandular						
Stomach, Forestomach	(0)	(0)	(0)	(0)	(0)	(0)
Stomach, Glandular	(0)	(0)	(0)	(0)	(0)	(0)
Amyloid Deposition						
Dilatation						
Inflammation, Chronic						
Mucosa, Dilatation						
Mucosa, Hyperplasia						
Necrosis, Focal						
Tongue	(0)	(0)	(0)	(0)	(0)	(0)
Abscess						
CARDIOVASCULAR SYSTEM						
Heart	(4)	(4)	(0)	(2)	(1)	(0)
Abscess	1 (25%)	1 (25%)		1 (50%)	1 (100%)	

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CD-1 CRL Mouse MALE	DMBA/TPA	DMBA/ACETONE	ACETONE/TPA	DEP/TPA	DEP/ACETONE	DMBA/DEP
Amyloid Deposition		2 (50%)		1 (50%)		
Atrium, Thrombosis	1 (25%)	2 (50%)		1 (50%)		
Epicardium, Inflammation, Suppurative	1 (25%)	1 (25%)				
Inflammation, Chronic, Focal	1 (25%)					
Ventricle, Thrombosis						
ENDOCRINE SYSTEM						
Adrenal Gland	(0)	(0)	(0)	(0)	(0)	(0)
Amyloid Deposition						
Capsule, Hyperplasia						
Pigmentation						
Adrenal Gland, Cortex	(1)	(0)	(0)	(0)	(0)	(0)
Amyloid Deposition						
Hyperplasia, Focal						
Hypertrophy, Focal						
Infiltration Cellular, Plasma Cell						
Infiltration Cellular, Plasma Cell, Lymphocyte						
Pigmentation						
Adrenal Gland, Medulla	(1)	(0)	(0)	(0)	(0)	(0)
Hematopoietic Cell Proliferation						
Islets, Pancreatic	(0)	(0)	(0)	(0)	(0)	(0)
Parathyroid Gland	(0)	(0)	(0)	(0)	(0)	(0)
Amyloid Deposition						
Pituitary Gland	(0)	(0)	(0)	(0)	(0)	(0)
Cyst						
Pars Distalis, Cyst						
Pars Distalis, Hyperplasia						
Pars Distalis, Hyperplasia, Focal						
Pars Intermed, Cyst						
Thyroid Gland	(0)	(1)	(0)	(0)	(1)	(0)

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Amyloid Deposition Follicle, Dilatation		1 (100%)			1 (100%)	
GENERAL BODY SYSTEM						
Tissue NOS	(3)	(5)	(3)	(1)	(6)	(4)
Abscess	3 (100%)	2 (40%)	2 (67%)	1 (100%)	1 (17%)	
Granuloma						
GENITAL SYSTEM						
Coagulating Gland	(0)	(0)	(0)	(0)	(0)	(0)
Abscess						
Epididymis	(1)	(0)	(0)	(0)	(0)	(1)
Cyst	1 (100%)					
Inflammation						1 (100%)
Inflammation, Subacute						
Spermatocele						1 (100%)
Penis	(1)	(2)	(0)	(3)	(1)	(1)
Abscess						
Edema						1 (100%)
Inflammation, Suppurative						
Preputial Gland	(1)	(1)	(0)	(2)	(2)	(2)
Abscess		1 (100%)		2 (100%)	1 (50%)	1 (50%)
Dilatation	1 (100%)				1 (50%)	1 (50%)
Inflammation						
Inflammation, Chronic						1 (50%)
Prostate	(0)	(0)	(0)	(0)	(0)	(0)
Abscess						
Hemorrhage						
Hyperplasia						
Inflammation						
Inflammation, Chronic						

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Seminal Vesicle	(1)	(5)	(0)	(4)	(6)	(6)
Abscess				1 (25%)		
Dilatation		4 (80%)		3 (75%)	5 (83%)	6 (100%)
Fibrosis		1 (20%)				1 (17%)
Inflammation					2 (33%)	
Inflammation, Chronic	1 (100%)					
Inflammation, Subacute						
Testes	(0)	(0)	(0)	(0)	(1)	(2)
Amyloid Deposition						
Fibrosis						
Inflammation, Chronic						
Interstit Cell, Hyperplasia						
Seminif Tub, Atrophy						2 (100%)
Seminif Tub, Degeneration						
Seminif Tub, Giant Cell						
Tunic, Fibrosis					1 (100%)	
Tunic, Inflammation					1 (100%)	
HEMATOPOIETIC SYSTEM						
Bone Marrow	(0)	(0)	(0)	(0)	(0)	(0)
Lymph Node	(33)	(5)	(16)	(24)	(6)	(0)
Abscess	1 (3%)				1 (17%)	
Axillary, Abscess	2 (6%)					
Axillary, Cyst	2 (6%)					
Axillary, Depletion Lymphoid	1 (3%)					
Axillary, Hematopoietic Cell Proliferation						
Axillary, Hyperplasia	27 (82%)	2 (40%)	14 (88%)	19 (79%)	4 (67%)	
Axillary, Hyperplasia, Lymphoid, Focal				1 (4%)		
Axillary, Hyperplasia, Plasma Cell				1 (4%)		
Bronchial, Hyperplasia			1 (6%)			
Congestion						

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Cyst	1 (3%)			1 (4%)	1 (17%)	
Hematopoietic Cell Proliferation	1 (3%)					
Hyperplasia	4 (12%)	1 (20%)	1 (6%)	5 (21%)	1 (17%)	
Hyperplasia, Reticulum Cell	1 (3%)					
Iliac, Abscess						
Iliac, Hyperplasia						
Inguinal, Hyperplasia	2 (6%)		2 (13%)			
Lumbar, Hyperplasia	1 (3%)		1 (6%)			
Mediastinal, Abscess	1 (3%)					
Mediastinal, Hyperplasia	1 (3%)	1 (20%)				
Pancreatic, Hematopoietic Cell Proliferation						
Pancreatic, Hyperplasia						
Renal, Abscess						
Renal, Hyperplasia	1 (3%)	1 (20%)				
Lymph Node, Mandibular	(23)	(10)	(17)	(22)	(16)	(4)
Abscess		3 (30%)	3 (18%)	2 (9%)	1 (6%)	2 (50%)
Amyloid Deposition				1 (5%)		
Cyst	1 (4%)		1 (6%)			
Depletion Lymphoid	1 (4%)					
Hematopoietic Cell Proliferation	1 (4%)			2 (9%)		1 (25%)
Hyperplasia	21 (91%)	10 (100%)	15 (88%)	18 (82%)	14 (88%)	2 (50%)
Hyperplasia, Plasma Cell				2 (9%)		
Lymphatic, Dilatation					1 (6%)	
Lymphocyte, Necrosis			1 (6%)			
Lymph Node, Mesenteric	(4)	(3)	(2)	(5)	(2)	(2)
Abscess						
Amyloid Deposition					1 (50%)	
Cyst						
Depletion Lymphoid		1 (33%)				
Hematopoietic Cell Proliferation	2 (50%)	2 (67%)		4 (80%)	1 (50%)	

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CD-1 CRL Mouse MALE	DMBA/TPA	DMBA/ACETONE	ACETONE/TPA	DEP/TPA	DEP/ACETONE	DMBA/DEP
Hemorrhage						1 (50%)
Hyperplasia	2 (50%)		1 (50%)	1 (20%)	1 (50%)	
Hyperplasia, Reticulum Cell						
Infarct						1 (50%)
Lymphocyte, Necrosis			1 (50%)			
Spleen	(42)	(17)	(28)	(32)	(13)	(7)
Amyloid Deposition	9 (21%)	5 (29%)	7 (25%)	3 (9%)	2 (15%)	2 (29%)
Congestion						
Granuloma	1 (2%)					
Hematopoietic Cell Proliferation	43 (102%)	16 (94%)	28 (100%)	33 (103%)	12 (92%)	7 (100%)
Pigmentation, Hemosiderin						
Thymus	(0)	(0)	(0)	(0)	(1)	(0)
Cyst						
Hyperplasia						
INTEGUMENTARY SYSTEM						
Mammary Gland	(0)	(0)	(0)	(0)	(0)	(0)
Skin	(28)	(42)	(29)	(30)	(46)	(44)
Amyloid Deposition				1 (3%)		
Other, Abscess	4 (14%)	5 (12%)	3 (10%)	4 (13%)	1 (2%)	1 (2%)
Other, Acanthosis	26 (93%)	15 (36%)	25 (86%)	28 (93%)	18 (39%)	6 (14%)
Other, Acanthosis, Focal	1 (4%)					
Other, Edema	1 (4%)	1 (2%)			4 (9%)	2 (5%)
Other, Exudate	22 (79%)	12 (29%)	17 (59%)	23 (77%)	14 (30%)	3 (7%)
Other, Hyperkeratosis	19 (68%)	8 (19%)	16 (55%)	18 (60%)	6 (13%)	1 (2%)
Other, Inflammation, Subacute	25 (89%)	14 (33%)	24 (83%)	26 (87%)	16 (35%)	5 (11%)
Other, Subcut Tiss, Exudate, Focal					1 (2%)	
Other, Ulcer	26 (93%)	15 (36%)	26 (90%)	28 (93%)	18 (39%)	6 (14%)
Skin, Control	(49)	(50)	(50)	(49)	(50)	(50)
Acanthosis			1 (2%)		1 (2%)	
Edema					1 (2%)	

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Exudate				1 (2%)		
Hyperkeratosis	1 (2%)					
Inflammation, Subacute	2 (4%)		1 (2%)	2 (4%)		1 (2%)
Ulcer				1 (2%)	1 (2%)	1 (2%)
Skin, SOA-Mass	(28)	(5)	(6)	(5)	(0)	(3)
Abscess	2 (7%)					
Acanthosis	1 (4%)			1 (20%)		
Acanthosis, Focal	11 (39%)	2 (40%)	1 (17%)	1 (20%)		
Exudate	1 (4%)					
Hyperkeratosis, Focal	1 (4%)					
Hyperplasia, Mast Cell, Focal	1 (4%)					
Inflammation, Subacute	1 (4%)					
Inflammation, Suppurative	1 (4%)					
Sebaceous GI, Hyperplasia	1 (4%)					1 (33%)
Skin, SOA-No Mass	(47)	(18)	(48)	(42)	(18)	(7)
Abscess	2 (4%)					
Acanthosis	45 (96%)	19 (106%)	47 (98%)	43 (102%)	14 (78%)	6 (86%)
Cyst Epithelial Inclusion	1 (2%)		1 (2%)			
Edema						
Exudate	31 (66%)	10 (56%)	25 (52%)	33 (79%)	12 (67%)	5 (71%)
Hyperkeratosis	39 (83%)	13 (72%)	34 (71%)	31 (74%)	8 (44%)	5 (71%)
Hyperplasia, Mast Cell, Focal						1 (14%)
Inflammation, Subacute	34 (72%)	8 (44%)	30 (63%)	38 (90%)	7 (39%)	4 (57%)
Sebaceous GI, Hyperplasia, Focal		1 (6%)				
Ulcer	22 (47%)	7 (39%)	23 (48%)	25 (60%)	6 (33%)	5 (71%)
MUSCULOSKELETAL SYSTEM						
Bone	(0)	(0)	(0)	(0)	(0)	(0)
NERVOUS SYSTEM						
Brain	(0)	(0)	(0)	(0)	(0)	(0)

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Thalamus, Mineralization, Focal Spinal Cord	(0)	(0)	(0)	(0)	(0)	(1)
RESPIRATORY SYSTEM						
Lung	(49)	(50)	(50)	(48)	(50)	(50)
Abscess		1 (2%)	1 (2%)	1 (2%)	1 (2%)	
Alveolar Epith, Hyperplasia	1 (2%)	3 (6%)	1 (2%)		2 (4%)	2 (4%)
Alveolar Epith, Metaplasia, Squamous, Focal						
Alveolus, Infiltration Cellular, Histiocyte Amyloid Deposition	8 (16%)	3 (6%)	4 (8%)	4 (8%)	8 (16%)	3 (6%)
Atelectasis						
Bronchiole, Hyperplasia		1 (2%)				
Bronchiole, Inflammation, Proliferative						
Bronchiole, Inflammation, Suppurative		1 (2%)				
Bronchiole, Metaplasia		1 (2%)				
Congestion	1 (2%)	1 (2%)	3 (6%)	2 (4%)	1 (2%)	2 (4%)
Fibrosis, Focal						
Foreign Body						
Granuloma					1 (2%)	
Hemorrhage	2 (4%)				5 (10%)	3 (6%)
Inflammation, Chronic, Focal		1 (2%)			1 (2%)	
Interstitial, Inflammation	13 (27%)	8 (16%)	9 (18%)	8 (17%)	10 (20%)	5 (10%)
Interstitial, Inflammation, Chronic, Focal	4 (8%)	4 (8%)		5 (10%)	8 (16%)	11 (22%)
Leukocytosis	12 (24%)	7 (14%)	10 (20%)	6 (13%)	6 (12%)	2 (4%)
Pleura, Fibrosis, Focal						
Pleura, Inflammation, Suppurative		2 (4%)				
Nose	(0)	(0)	(0)	(0)	(0)	(0)
Inflammation, Suppurative						
Trachea	(0)	(0)	(0)	(0)	(0)	(1)

SPECIAL SENSES SYSTEM

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Ear	(1)	(3)	(5)	(2)	(3)	(1)
Eye	(3)	(1)	(4)	(1)	(2)	(1)
Cataract	1 (33%)					
Cornea, Hyperplasia						
Cornea, Hyperplasia, Chronic			1 (25%)			
Cornea, Hyperplasia, Focal			1 (25%)			
Cornea, Inflammation, Chronic	1 (33%)	1 (100%)	1 (25%)		2 (100%)	1 (100%)
Cornea, Inflammation, Subacute						
Cornea, Lids, Inflammation, Subacute						
Inflammation, Suppurative	1 (33%)		1 (25%)			
Lids, Inflammation, Chronic				1 (100%)		
Retrolbulbar, Inflammation, Subacute	1 (33%)					
Harderian Gland	(0)	(0)	(0)	(0)	(0)	(0)
Inflammation, Chronic						
Zymbal's Gland	(0)	(0)	(1)	(0)	(0)	(0)
Dilatation			1 (100%)			
URINARY SYSTEM						
Kidney	(7)	(5)	(6)	(6)	(5)	(7)
Abscess	2 (29%)	1 (20%)	1 (17%)			
Amyloid Deposition		2 (40%)	3 (50%)	3 (50%)	4 (80%)	5 (71%)
Cortex, Atrophy	2 (29%)	1 (20%)	2 (33%)	1 (17%)	2 (40%)	
Cortex, Cyst				1 (17%)	1 (20%)	1 (14%)
Cortex, Infiltration Cellular, Plasma Cell						
Hematopoietic Cell Proliferation			1 (17%)			
Infarct						
Infiltration Cellular, Lymphocyte		1 (20%)				
Infiltration Cellular, Plasma Cell		1 (20%)				
Infiltration Cellular, Plasma Cell, Focal	1 (14%)					
Nephropathy	1 (14%)	1 (20%)				
Papilla, Mineralization						

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

Experiment Number: 05119-01
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/CD-1 CRL

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a)
Test Compound: Diethyl phthalate/dimethyl phthalate
CAS Number: DIETH/DIMETH

Date Report Requested: 10/15/2014
Time Report Requested: 22:55:04
First Dose M/F: NA / NA
Lab: HAZLETON

CD-1 CRL Mouse MALE	DMBA/TPA	DMBA/ACETONE	ACETONE/TPA	DEP/TPA	DEP/ACETONE	DMBA/DEP
Papilla, Necrosis	1 (14%)					
Pelvis, Dilatation		2 (40%)	2 (33%)	2 (33%)	2 (40%)	4 (57%)
Prox Con Tub, Necrosis						
Prox Con Tub, Vacuolization Cytoplasmic	1 (14%)				1 (20%)	
Urethra	(0)	(0)	(0)	(1)	(0)	(0)
Inflammation, Acute				1 (100%)		
Urinary Bladder	(0)	(0)	(1)	(6)	(0)	(1)
Amyloid Deposition				1 (17%)		
Calculus Micro Observation Only						
Congestion						
Hemorrhage				1 (17%)		
Inflammation						
Inflammation, Chronic						
Mucosa, Hyperplasia						
Submucosa, Hemorrhage				1 (17%)		

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

Experiment Number: 05119-01
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/CD-1 CRL

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a)
 Test Compound: Diethyl phthalate/dimethyl phthalate
 CAS Number: DIETH/DIMETH

Date Report Requested: 10/15/2014
 Time Report Requested: 22:55:04
 First Dose M/F: NA / NA
 Lab: HAZLETON

CD-1 CRL Mouse MALE	ACETONE/DEP	DMP/TPA	DMP/ACETONE	DMBA/DMP	ACETONE/DMP	ACETONE/ACETON E
Disposition Summary						
Animals Initially In Study	50	50	50	50	50	50
Early Deaths						
Accidentally Killed	1		1			
Moribund Sacrifice	4	27	5	4	5	7
Natural Death	6	9	5	7	2	7
Survivors						
Moribund Sacrifice						
Natural Death	1		1	3	2	1
Terminal Sacrifice	38	13	38	36	40	35
Missing		1			1	
Animals Examined Microscopically	50	49	50	50	49	50
ALIMENTARY SYSTEM						
Esophagus	(0)	(0)	(0)	(0)	(49)	(49)
Gallbladder	(0)	(0)	(0)	(0)	(46)	(42)
Inflammation, Chronic					1 (2%)	1 (2%)
Intestine Large	(0)	(0)	(0)	(0)	(0)	(1)
Mucosa, Necrosis						1 (100%)
Intestine Large, Cecum	(0)	(0)	(0)	(2)	(46)	(46)
Amyloid Deposition					2 (4%)	1 (2%)
Edema				2 (100%)	2 (4%)	1 (2%)
Inflammation, Chronic				1 (50%)		
Necrosis				1 (50%)		
Intestine Large, Colon	(0)	(0)	(0)	(0)	(45)	(49)
Edema					2 (4%)	1 (2%)
Intestine Large, Rectum	(0)	(0)	(0)	(0)	(45)	(46)
Intestine Small	(0)	(0)	(0)	(0)	(1)	(0)
Cortex, Amyloid Deposition					1 (100%)	
Intestine Small, Duodenum	(0)	(0)	(0)	(1)	(48)	(48)

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Experiment Number: 05119-01
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/CD-1 CRL

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a)
Test Compound: Diethyl phthalate/dimethyl phthalate
CAS Number: DIETH/DIMETH

Date Report Requested: 10/15/2014
Time Report Requested: 22:55:04
First Dose M/F: NA / NA
Lab: HAZLETON

CD-1 CRL Mouse MALE	ACETONE/DEP	DMP/TPA	DMP/ACETONE	DMBA/DMP	ACETONE/DMP	ACETONE/ACETON E
Amyloid Deposition Inflammation, Subacute				1 (100%)	17 (35%)	16 (33%)
Intestine Small, Ileum Amyloid Deposition Granuloma Hemorrhage	(0)	(0)	(0)	(3) 2 (67%)	(48) 28 (58%)	(47) 29 (62%)
Intestine Small, Jejunum Amyloid Deposition	(0)	(0)	(0)	(2) 1 (50%)	(48) 20 (42%)	(44) 19 (43%)
Liver Abscess Amyloid Deposition Angiectasis Basophilic Focus Centrilobular, Cytomegaly Clear Cell Focus Clear Cell Focus, Multiple Cyst Cyst Multilocular Cytomegaly Eosinophilic Focus Hematopoietic Cell Proliferation Hepatocyte, Hyperplasia Hyperplasia Inflammation, Chronic, Focal Karyomegaly Necrosis Necrosis, Focal Regeneration, Focal Vacuolization Cytoplasmic Vacuolization Nuclear	(11) 2 (18%) 3 (27%)	(10) 3 (30%) 3 (30%)	(14) 1 (7%) 5 (36%)	(6) 1 (17%) 1 (17%)	(49) 16 (33%) 2 (4%)	(50) 3 (6%) 13 (26%) 1 (2%) 1 (2%) 9 (18%) 2 (4%) 1 (2%) 26 (52%) 1 (2%) 4 (8%) 1 (2%) 1 (2%)

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

Experiment Number: 05119-01
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/CD-1 CRL

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a)
Test Compound: Diethyl phthalate/dimethyl phthalate
CAS Number: DIETH/DIMETH

Date Report Requested: 10/15/2014
Time Report Requested: 22:55:05
First Dose M/F: NA / NA
Lab: HAZLETON

CD-1 CRL Mouse MALE	ACETONE/DEP	DMP/TPA	DMP/ACETONE	DMBA/DMP	ACETONE/DMP	ACETONE/ACETONE
Vacuolization Nuclear					4 (8%)	
Mesentery	(1)	(0)	(0)	(0)	(0)	(0)
Abscess						
Fat, Necrosis, Focal						
Inflammation, Chronic						
Necrosis	1 (100%)					
Pancreas	(1)	(0)	(1)	(3)	(49)	(50)
Abscess						
Edema	1 (100%)			3 (100%)	7 (14%)	4 (8%)
Hypertrophy, Focal						1 (2%)
Inflammation, Subacute					1 (2%)	
Salivary Glands	(0)	(0)	(0)	(0)	(48)	(50)
Amyloid Deposition					16 (33%)	14 (28%)
Hemorrhage						
Necrosis						
Stomach	(0)	(0)	(0)	(0)	(3)	(0)
Mucosa, Hyperplasia					2 (67%)	
Mucosa, Hyperplasia, Glandular					1 (33%)	
Stomach, Forestomach	(0)	(1)	(0)	(0)	(48)	(50)
Stomach, Glandular	(0)	(1)	(1)	(0)	(48)	(50)
Amyloid Deposition					9 (19%)	7 (14%)
Dilatation						1 (2%)
Inflammation, Chronic					1 (2%)	1 (2%)
Mucosa, Dilatation					1 (2%)	
Mucosa, Hyperplasia					2 (4%)	
Necrosis, Focal						1 (2%)
Tongue	(0)	(1)	(0)	(0)	(0)	(0)
Abscess		1 (100%)				

CARDIOVASCULAR SYSTEM

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

Experiment Number: 05119-01
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/CD-1 CRL

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a)
Test Compound: Diethyl phthalate/dimethyl phthalate
CAS Number: DIETH/DIMETH

Date Report Requested: 10/15/2014
Time Report Requested: 22:55:05
First Dose M/F: NA / NA
Lab: HAZLETON

CD-1 CRL Mouse MALE	ACETONE/DEP	DMP/TPA	DMP/ACETONE	DMBA/DMP	ACETONE/DMP	ACETONE/ACETON E
Heart	(3)	(0)	(1)	(3)	(49)	(50)
Abscess					1 (2%)	1 (2%)
Amyloid Deposition	3 (100%)		1 (100%)	3 (100%)	26 (53%)	26 (52%)
Atrium, Thrombosis	2 (67%)		1 (100%)	2 (67%)	3 (6%)	1 (2%)
Epicardium, Inflammation, Suppurative Inflammation, Chronic, Focal					2 (4%)	3 (6%)
Ventricle, Thrombosis						1 (2%)
ENDOCRINE SYSTEM						
Adrenal Gland	(0)	(0)	(0)	(0)	(22)	(22)
Amyloid Deposition					1 (5%)	
Capsule, Hyperplasia					22 (100%)	21 (95%)
Pigmentation						1 (5%)
Adrenal Gland, Cortex	(0)	(0)	(0)	(0)	(48)	(50)
Amyloid Deposition					21 (44%)	23 (46%)
Hyperplasia, Focal					1 (2%)	1 (2%)
Hypertrophy, Focal					1 (2%)	1 (2%)
Infiltration Cellular, Plasma Cell						1 (2%)
Infiltration Cellular, Plasma Cell, Lymphocyte						1 (2%)
Pigmentation					26 (54%)	21 (42%)
Adrenal Gland, Medulla	(0)	(0)	(0)	(0)	(48)	(50)
Hematopoietic Cell Proliferation						1 (2%)
Islets, Pancreatic	(0)	(0)	(0)	(0)	(49)	(50)
Parathyroid Gland	(0)	(0)	(0)	(0)	(34)	(11)
Amyloid Deposition					12 (35%)	2 (18%)
Pituitary Gland	(0)	(0)	(1)	(0)	(48)	(48)
Cyst			1 (100%)			
Pars Distalis, Cyst					1 (2%)	
Pars Distalis, Hyperplasia					1 (2%)	

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Experiment Number: 05119-01
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/CD-1 CRL

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a)
Test Compound: Diethyl phthalate/dimethyl phthalate
CAS Number: DIETH/DIMETH

Date Report Requested: 10/15/2014
Time Report Requested: 22:55:05
First Dose M/F: NA / NA
Lab: HAZLETON

CD-1 CRL Mouse MALE	ACETONE/DEP	DMP/TPA	DMP/ACETONE	DMBA/DMP	ACETONE/DMP	ACETONE/ACETON E
Pars Distalis, Hyperplasia, Focal					1 (2%)	1 (2%)
Pars Intermed, Cyst						1 (2%)
Thyroid Gland	(0)	(0)	(0)	(1)	(49)	(46)
Amyloid Deposition				1 (100%)	24 (49%)	19 (41%)
Follicle, Dilatation					1 (2%)	2 (4%)
GENERAL BODY SYSTEM						
Tissue NOS	(3)	(2)	(4)	(4)	(3)	(3)
Abscess	2 (67%)				2 (67%)	1 (33%)
Granuloma						1 (33%)
GENITAL SYSTEM						
Coagulating Gland	(0)	(0)	(0)	(0)	(0)	(1)
Abscess						1 (100%)
Epididymis	(0)	(0)	(0)	(0)	(49)	(50)
Cyst						
Inflammation						
Inflammation, Subacute						1 (2%)
Spermatocele					1 (2%)	
Penis	(1)	(3)	(2)	(1)	(2)	(5)
Abscess		2 (67%)				
Edema			1 (50%)			
Inflammation, Suppurative					1 (50%)	
Preputial Gland	(4)	(2)	(2)	(1)	(2)	(1)
Abscess	3 (75%)	2 (100%)	1 (50%)	1 (100%)	1 (50%)	
Dilatation			1 (50%)	1 (100%)		
Inflammation						1 (100%)
Inflammation, Chronic						
Prostate	(0)	(0)	(0)	(1)	(48)	(47)
Abscess					1 (2%)	
Hemorrhage				1 (100%)		

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Experiment Number: 05119-01
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/CD-1 CRL

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a)
Test Compound: Diethyl phthalate/dimethyl phthalate
CAS Number: DIETH/DIMETH

Date Report Requested: 10/15/2014
Time Report Requested: 22:55:05
First Dose M/F: NA / NA
Lab: HAZLETON

CD-1 CRL Mouse MALE	ACETONE/DEP	DMP/TPA	DMP/ACETONE	DMBA/DMP	ACETONE/DMP	ACETONE/ACETON E
Hyperplasia						1 (2%)
Inflammation					1 (2%)	1 (2%)
Inflammation, Chronic					2 (4%)	
Seminal Vesicle	(9)	(0)	(7)	(3)	(49)	(50)
Abscess						
Dilatation	8 (89%)		6 (86%)	3 (100%)	7 (14%)	8 (16%)
Fibrosis						1 (2%)
Inflammation					1 (2%)	1 (2%)
Inflammation, Chronic						
Inflammation, Subacute	1 (11%)					
Testes	(0)	(1)	(0)	(1)	(49)	(50)
Amyloid Deposition				1 (100%)	11 (22%)	9 (18%)
Fibrosis					1 (2%)	
Inflammation, Chronic					1 (2%)	
Interstit Cell, Hyperplasia					5 (10%)	3 (6%)
Seminif Tub, Atrophy				1 (100%)		
Seminif Tub, Degeneration					21 (43%)	18 (36%)
Seminif Tub, Giant Cell					1 (2%)	
Tunic, Fibrosis						
Tunic, Inflammation						
HEMATOPOIETIC SYSTEM						
Bone Marrow	(0)	(0)	(0)	(0)	(47)	(48)
Lymph Node	(4)	(25)	(2)	(1)	(3)	(3)
Abscess		1 (4%)				
Axillary, Abscess						
Axillary, Cyst						
Axillary, Depletion Lymphoid						
Axillary, Hematopoietic Cell Proliferation		1 (4%)				
Axillary, Hyperplasia		21 (84%)		1 (100%)	1 (33%)	1 (33%)

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Experiment Number: 05119-01
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/CD-1 CRL

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a)
Test Compound: Diethyl phthalate/dimethyl phthalate
CAS Number: DIETH/DIMETH

Date Report Requested: 10/15/2014
Time Report Requested: 22:55:05
First Dose M/F: NA / NA
Lab: HAZLETON

CD-1 CRL Mouse MALE	ACETONE/DEP	DMP/TPA	DMP/ACETONE	DMBA/DMP	ACETONE/DMP	ACETONE/ACETONE
Axillary, Hyperplasia, Lymphoid, Focal						
Axillary, Hyperplasia, Plasma Cell						
Bronchial, Hyperplasia						
Congestion	1 (25%)					
Cyst						
Hematopoietic Cell Proliferation				1 (100%)		
Hyperplasia	2 (50%)	5 (20%)	2 (100%)		3 (100%)	
Hyperplasia, Reticulum Cell						
Iliac, Abscess	1 (25%)					
Iliac, Hyperplasia	1 (25%)					
Inguinal, Hyperplasia		2 (8%)				
Lumbar, Hyperplasia						
Mediastinal, Abscess						
Mediastinal, Hyperplasia		1 (4%)				2 (67%)
Pancreatic, Hematopoietic Cell Proliferation				1 (100%)		
Pancreatic, Hyperplasia						1 (33%)
Renal, Abscess	1 (25%)					
Renal, Hyperplasia						
Lymph Node, Mandibular	(3)	(22)	(6)	(1)	(48)	(49)
Abscess		3 (14%)				2 (4%)
Amyloid Deposition					1 (2%)	2 (4%)
Cyst			1 (17%)	1 (100%)	2 (4%)	2 (4%)
Depletion Lymphoid						
Hematopoietic Cell Proliferation					2 (4%)	
Hyperplasia	3 (100%)	22 (100%)	5 (83%)	1 (100%)	6 (13%)	16 (33%)
Hyperplasia, Plasma Cell		1 (5%)				
Lymphatic, Dilatation						
Lymphocyte, Necrosis						
Lymph Node, Mesenteric	(3)	(1)	(1)	(1)	(47)	(43)
Abscess					1 (2%)	1 (2%)

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Experiment Number: 05119-01
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/CD-1 CRL

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a)
Test Compound: Diethyl phthalate/dimethyl phthalate
CAS Number: DIETH/DIMETH

Date Report Requested: 10/15/2014
Time Report Requested: 22:55:05
First Dose M/F: NA / NA
Lab: HAZLETON

CD-1 CRL Mouse MALE	ACETONE/DEP	DMP/TPA	DMP/ACETONE	DMBA/DMP	ACETONE/DMP	ACETONE/ACETON E
Amyloid Deposition					11 (23%)	14 (33%)
Cyst				1 (100%)		
Depletion Lymphoid						
Hematopoietic Cell Proliferation			1 (100%)		1 (2%)	1 (2%)
Hemorrhage	1 (33%)		1 (100%)			1 (2%)
Hyperplasia	1 (33%)	1 (100%)			2 (4%)	1 (2%)
Hyperplasia, Reticulum Cell	1 (33%)					
Infarct						
Lymphocyte, Necrosis						
Spleen	(9)	(34)	(7)	(4)	(49)	(50)
Amyloid Deposition	1 (11%)	9 (26%)	1 (14%)		8 (16%)	10 (20%)
Congestion			1 (14%)			
Granuloma						
Hematopoietic Cell Proliferation	9 (100%)	33 (97%)	7 (100%)	4 (100%)	47 (96%)	48 (96%)
Pigmentation, Hemosiderin					2 (4%)	
Thymus	(1)	(0)	(0)	(0)	(42)	(43)
Cyst						1 (2%)
Hyperplasia						1 (2%)
INTEGUMENTARY SYSTEM						
Mammary Gland	(0)	(0)	(0)	(0)	(6)	(14)
Skin	(44)	(22)	(47)	(44)	(42)	(47)
Amyloid Deposition						
Other, Abscess	2 (5%)	2 (9%)	2 (4%)		2 (5%)	2 (4%)
Other, Acanthosis	11 (25%)	22 (100%)	11 (23%)	4 (9%)	7 (17%)	15 (32%)
Other, Acanthosis, Focal						
Other, Edema	2 (5%)		4 (9%)	5 (11%)	3 (7%)	1 (2%)
Other, Exudate	4 (9%)	13 (59%)	9 (19%)	4 (9%)	5 (12%)	14 (30%)
Other, Hyperkeratosis	5 (11%)	11 (50%)	4 (9%)	1 (2%)	2 (5%)	7 (15%)
Other, Inflammation, Subacute	11 (25%)	19 (86%)	8 (17%)	4 (9%)	8 (19%)	16 (34%)

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Experiment Number: 05119-01
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/CD-1 CRL

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a)
Test Compound: Diethyl phthalate/dimethyl phthalate
CAS Number: DIETH/DIMETH

Date Report Requested: 10/15/2014
Time Report Requested: 22:55:05
First Dose M/F: NA / NA
Lab: HAZLETON

CD-1 CRL Mouse MALE	ACETONE/DEP	DMP/TPA	DMP/ACETONE	DMBA/DMP	ACETONE/DMP	ACETONE/ACETONE
Other, Subcut Tiss, Exudate, Focal						
Other, Ulcer	9 (20%)	20 (91%)	12 (26%)	3 (7%)	8 (19%)	16 (34%)
Skin, Control	(50)	(49)	(50)	(50)	(49)	(50)
Acanthosis	1 (2%)	1 (2%)			1 (2%)	
Edema	1 (2%)		1 (2%)	3 (6%)		
Exudate	1 (2%)	1 (2%)				
Hyperkeratosis		2 (4%)				
Inflammation, Subacute	2 (4%)		2 (4%)		1 (2%)	
Ulcer	1 (2%)			1 (2%)		
Skin, SOA-Mass	(0)	(5)	(0)	(1)	(1)	(1)
Abscess						
Acanthosis						
Acanthosis, Focal		1 (20%)			1 (100%)	1 (100%)
Exudate						
Hyperkeratosis, Focal						
Hyperplasia, Mast Cell, Focal						
Inflammation, Subacute						
Inflammation, Suppurative						
Sebaceous Gl, Hyperplasia						
Skin, SOA-No Mass	(15)	(48)	(10)	(10)	(12)	(9)
Abscess		2 (4%)				
Acanthosis	9 (60%)	47 (98%)	9 (90%)	7 (70%)	11 (92%)	8 (89%)
Cyst Epithelial Inclusion						
Edema	1 (7%)			1 (10%)		
Exudate	8 (53%)	34 (71%)	5 (50%)	2 (20%)	7 (58%)	4 (44%)
Hyperkeratosis	6 (40%)	35 (73%)	1 (10%)	2 (20%)	4 (33%)	1 (11%)
Hyperplasia, Mast Cell, Focal						
Inflammation, Subacute	4 (27%)	38 (79%)	3 (30%)	3 (30%)	7 (58%)	9 (100%)
Sebaceous Gl, Hyperplasia, Focal						
Ulcer	5 (33%)	27 (56%)	3 (30%)	3 (30%)	6 (50%)	2 (22%)

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Experiment Number: 05119-01
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/CD-1 CRL

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a)
Test Compound: Diethyl phthalate/dimethyl phthalate
CAS Number: DIETH/DIMETH

Date Report Requested: 10/15/2014
Time Report Requested: 22:55:05
First Dose M/F: NA / NA
Lab: HAZLETON

CD-1 CRL Mouse MALE	ACETONE/DEP	DMP/TPA	DMP/ACETONE	DMBA/DMP	ACETONE/DMP	ACETONE/ACETON E
MUSCULOSKELETAL SYSTEM						
Bone	(0)	(0)	(0)	(0)	(47)	(49)
NERVOUS SYSTEM						
Brain	(0)	(2)	(0)	(0)	(49)	(49)
Thalamus, Mineralization, Focal					1 (2%)	9 (18%)
Spinal Cord	(0)	(0)	(0)	(0)	(0)	(0)
RESPIRATORY SYSTEM						
Lung	(50)	(49)	(50)	(50)	(49)	(50)
Abscess			1 (2%)			2 (4%)
Alveolar Epith, Hyperplasia	2 (4%)	2 (4%)	1 (2%)	1 (2%)	4 (8%)	2 (4%)
Alveolar Epith, Metaplasia, Squamous, Focal						1 (2%)
Alveolus, Infiltration Cellular, Histiocyte	2 (4%)	3 (6%)	4 (8%)	5 (10%)	4 (8%)	4 (8%)
Amyloid Deposition					1 (2%)	1 (2%)
Atelectasis		1 (2%)		1 (2%)		1 (2%)
Bronchiole, Hyperplasia						1 (2%)
Bronchiole, Inflammation, Proliferative						1 (2%)
Bronchiole, Inflammation, Suppurative						
Bronchiole, Metaplasia						
Congestion	1 (2%)	2 (4%)	4 (8%)	6 (12%)	5 (10%)	3 (6%)
Fibrosis, Focal			1 (2%)	1 (2%)		
Foreign Body			1 (2%)			
Granuloma						
Hemorrhage	3 (6%)	1 (2%)	3 (6%)	9 (18%)		1 (2%)
Inflammation, Chronic, Focal	2 (4%)					
Interstitial, Inflammation	5 (10%)	2 (4%)	4 (8%)	11 (22%)	4 (8%)	9 (18%)
Interstitial, Inflammation, Chronic, Focal	9 (18%)	1 (2%)	8 (16%)	7 (14%)	9 (18%)	6 (12%)
Leukocytosis	2 (4%)	5 (10%)	2 (4%)			6 (12%)

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Experiment Number: 05119-01
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/CD-1 CRL

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a)
Test Compound: Diethyl phthalate/dimethyl phthalate
CAS Number: DIETH/DIMETH

Date Report Requested: 10/15/2014
Time Report Requested: 22:55:06
First Dose M/F: NA / NA
Lab: HAZLETON

CD-1 CRL Mouse MALE	ACETONE/DEP	DMP/TPA	DMP/ACETONE	DMBA/DMP	ACETONE/DMP	ACETONE/ACETONE
Pleura, Fibrosis, Focal						1 (2%)
Pleura, Inflammation, Suppurative			1 (2%)			1 (2%)
Nose	(0)	(0)	(0)	(0)	(49)	(50)
Inflammation, Suppurative					1 (2%)	
Trachea	(0)	(0)	(0)	(0)	(49)	(49)
SPECIAL SENSES SYSTEM						
Ear	(0)	(1)	(5)	(0)	(1)	(2)
Eye	(0)	(5)	(2)	(0)	(1)	(2)
Cataract						
Cornea, Hyperplasia		1 (20%)				
Cornea, Hyperplasia, Chronic						
Cornea, Hyperplasia, Focal						
Cornea, Inflammation, Chronic		2 (40%)	1 (50%)			2 (100%)
Cornea, Inflammation, Subacute			1 (50%)			
Cornea, Lids, Inflammation, Subacute		1 (20%)				
Inflammation, Suppurative						
Lids, Inflammation, Chronic						
Retrobulbar, Inflammation, Subacute						
Harderian Gland	(0)	(0)	(0)	(0)	(0)	(1)
Inflammation, Chronic						1 (100%)
Zymbal's Gland	(0)	(0)	(0)	(0)	(0)	(0)
Dilatation						
URINARY SYSTEM						
Kidney	(5)	(4)	(8)	(10)	(49)	(50)
Abscess	1 (20%)	1 (25%)	1 (13%)		1 (2%)	3 (6%)
Amyloid Deposition	4 (80%)	2 (50%)	5 (63%)	7 (70%)	23 (47%)	27 (54%)
Cortex, Atrophy		1 (25%)				
Cortex, Cyst				3 (30%)	9 (18%)	5 (10%)
Cortex, Infiltration Cellular, Plasma Cell		1 (25%)				

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

Experiment Number: 05119-01
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/CD-1 CRL

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a)
Test Compound: Diethyl phthalate/dimethyl phthalate
CAS Number: DIETH/DIMETH

Date Report Requested: 10/15/2014
Time Report Requested: 22:55:06
First Dose M/F: NA / NA
Lab: HAZLETON

CD-1 CRL Mouse MALE	ACETONE/DEP	DMP/TPA	DMP/ACETONE	DMBA/DMP	ACETONE/DMP	ACETONE/ACETONE
Hematopoietic Cell Proliferation	1 (20%)					
Infarct				1 (10%)	1 (2%)	
Infiltration Cellular, Lymphocyte						
Infiltration Cellular, Plasma Cell						3 (6%)
Infiltration Cellular, Plasma Cell, Focal						
Nephropathy				1 (10%)	15 (31%)	14 (28%)
Papilla, Mineralization		1 (25%)				
Papilla, Necrosis		1 (25%)				
Pelvis, Dilatation	3 (60%)	1 (25%)	4 (50%)	4 (40%)	13 (27%)	11 (22%)
Prox Con Tub, Necrosis		1 (25%)				
Prox Con Tub, Vacuolization Cytoplasmic		1 (25%)				
Urethra	(0)	(0)	(0)	(1)	(0)	(0)
Inflammation, Acute						
Urinary Bladder	(3)	(1)	(3)	(2)	(46)	(47)
Amyloid Deposition						
Calculus Micro Observation Only			1 (33%)		6 (13%)	
Congestion			1 (33%)			
Hemorrhage				1 (50%)		
Inflammation					1 (2%)	
Inflammation, Chronic	1 (33%)					
Mucosa, Hyperplasia					1 (2%)	
Submucosa, Hemorrhage						

**** END OF REPORT ****