

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

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

Test Compound: Diethyl phthalate/dimethyl phthalate

CAS Number: DIETH/DIMETH

Date Report Requested: 10/15/2014

Time Report Requested: 22:55:14

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

Test Compound: Diethyl phthalate/dimethyl phthalate
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 Lab: HAZLETON

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)
Intestine Large	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Large, Cecum	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Large, Colon	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Large, Rectum	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Small	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Small, Duodenum	(0)	(1)	(2)	(0)	(0)	(0)
Intestine Small, Ileum	(1)	(0)	(1)	(0)	(0)	(1)
Intestine Small, Jejunum	(0)	(0)	(1)	(0)	(1)	(0)
Adenocarcinoma						
Liver	(8)	(10)	(10)	(7)	(9)	(8)
Hemangiosarcoma						
Hemangiosarcoma, Multiple		1 (10%)				

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

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

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Lab: HAZLETON

CD-1 CRL Mouse MALE	DMBA/TPA	DMBA/ACETONE	ACETONE/TPA	DEP/TPA	DEP/ACETONE	DMBA/DEP
Hepatocellular Adenoma		3 (30%)	1 (10%)	1 (14%)	5 (56%)	2 (25%)
Hepatocellular Adenoma, Multiple						
Hepatocellular Carcinoma						1 (13%)
Hepatocellular Carcinoma, Multiple					1 (11%)	
Hepatocholangiocarcinoma						
Mesentery	(0)	(2)	(0)	(1)	(0)	(1)
Pancreas	(1)	(1)	(0)	(1)	(0)	(1)
Salivary Glands	(1)	(0)	(0)	(0)	(0)	(0)
Stomach	(0)	(0)	(1)	(0)	(0)	(0)
Stomach, Forestomach	(0)	(0)	(0)	(0)	(0)	(0)
Stomach, Glandular	(0)	(0)	(0)	(0)	(0)	(0)
Tongue	(0)	(0)	(0)	(0)	(0)	(0)
CARDIOVASCULAR SYSTEM						
Heart	(4)	(4)	(0)	(2)	(1)	(0)
ENDOCRINE SYSTEM						
Adrenal Gland	(0)	(0)	(0)	(0)	(0)	(0)
Adrenal Gland, Cortex	(1)	(0)	(0)	(0)	(0)	(0)
Adenoma						
Carcinoma						
Adrenal Gland, Medulla	(1)	(0)	(0)	(0)	(0)	(0)
Islets, Pancreatic	(0)	(0)	(0)	(0)	(0)	(0)
Parathyroid Gland	(0)	(0)	(0)	(0)	(0)	(0)
Pituitary Gland	(0)	(0)	(0)	(0)	(0)	(0)
Thyroid Gland	(0)	(1)	(0)	(0)	(1)	(0)
GENERAL BODY SYSTEM						
Tissue NOS	(3)	(5)	(3)	(1)	(6)	(4)
Hemangioma						

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CD-1 CRL Mouse MALE	DMBA/TPA	DMBA/ACETONE	ACETONE/TPA	DEP/TPA	DEP/ACETONE	DMBA/DEP
Lipoma		3 (60%)	1 (33%)		5 (83%)	4 (100%)
GENITAL SYSTEM						
Coagulating Gland	(0)	(0)	(0)	(0)	(0)	(0)
Epididymis	(1)	(0)	(0)	(0)	(0)	(1)
Penis	(1)	(2)	(0)	(3)	(1)	(1)
Preputial Gland	(1)	(1)	(0)	(2)	(2)	(2)
Prostate	(0)	(0)	(0)	(0)	(0)	(0)
Seminal Vesicle	(1)	(5)	(0)	(4)	(6)	(6)
Testes	(0)	(0)	(0)	(0)	(1)	(2)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(0)	(0)	(0)	(0)	(0)	(0)
Lymph Node	(33)	(5)	(16)	(24)	(6)	(0)
Bronchial, Alveolar/Bronchiolar Carcinoma, Metastatic, Uncertain Primary Site		1 (20%)				
Lymph Node, Mandibular	(23)	(10)	(17)	(22)	(16)	(4)
Lymph Node, Mesenteric	(4)	(3)	(2)	(5)	(2)	(2)
Spleen	(42)	(17)	(28)	(32)	(13)	(7)
Thymus	(0)	(0)	(0)	(0)	(1)	(0)
INTEGUMENTARY SYSTEM						
Mammary Gland	(0)	(0)	(0)	(0)	(0)	(0)
Skin	(28)	(42)	(29)	(30)	(46)	(44)
Other, Hemangioma						
Other, Papilloma					1 (2%)	
Other, Squamous Cell Carcinoma	1 (4%)					
Skin, Control	(49)	(50)	(50)	(49)	(50)	(50)
Skin, SOA-Mass	(28)	(5)	(6)	(5)	(0)	(3)
Papilloma	3 (11%)	1 (20%)	4 (67%)	2 (40%)		1 (33%)

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

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* Number of animals with any tissue examined microscopically

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CD-1 CRL Mouse MALE	DMBA/TPA	DMBA/ACETONE	ACETONE/TPA	DEP/TPA	DEP/ACETONE	DMBA/DEP
Papilloma, Multiple	20 (71%)		1 (17%)	1 (20%)		1 (33%)
Sebacous GI, Adenoma		1 (20%)				
Squamous Cell Carcinoma	7 (25%)	2 (40%)				
Skin, SOA-No Mass	(47)	(18)	(48)	(42)	(18)	(7)
Squamous Cell Carcinoma	2 (4%)					
MUSCULOSKELETAL SYSTEM						
Bone	(0)	(0)	(0)	(0)	(0)	(0)
NERVOUS SYSTEM						
Brain	(0)	(0)	(0)	(0)	(0)	(0)
Spinal Cord	(0)	(0)	(0)	(0)	(0)	(1)
RESPIRATORY SYSTEM						
Lung	(49)	(50)	(50)	(48)	(50)	(50)
Alveolar/Bronchiolar Adenoma		5 (10%)	4 (8%)	1 (2%)	2 (4%)	5 (10%)
Alveolar/Bronchiolar Adenoma, Multiple				1 (2%)	2 (4%)	
Alveolar/Bronchiolar Carcinoma		2 (4%)	1 (2%)	1 (2%)		
Alveolar/Bronchiolar Carcinoma, Multiple						
Squamous Cell Carcinoma, Metastatic, Uncertain Primary Site	1 (2%)					
Nose	(0)	(0)	(0)	(0)	(0)	(0)
Trachea	(0)	(0)	(0)	(0)	(0)	(1)
SPECIAL SENSES SYSTEM						
Ear	(1)	(3)	(5)	(2)	(3)	(1)
Eye	(3)	(1)	(4)	(1)	(2)	(1)
Harderian Gland	(0)	(0)	(0)	(0)	(0)	(0)
Zymbal's Gland	(0)	(0)	(1)	(0)	(0)	(0)
URINARY SYSTEM						

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CD-1 CRL Mouse MALE	DMBA/TPA	DMBA/ACETONE	ACETONE/TPA	DEP/TPA	DEP/ACETONE	DMBA/DEP
Kidney	(7)	(5)	(6)	(6)	(5)	(7)
Urethra	(0)	(0)	(0)	(1)	(0)	(0)
Urinary Bladder Carcinoma	(0)	(0)	(1)	(6)	(0)	(1)
SYSTEMIC LESIONS						
Multiple Organ	*(49)	*(50)	*(50)	*(49)	*(50)	*(50)
Lymphoma Malignant Lymphocytic					1 (2%)	
Lymphoma Malignant Mixed	1 (2%)					

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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)
Intestine Large	(0)	(0)	(0)	(0)	(0)	(1)
Intestine Large, Cecum	(0)	(0)	(0)	(2)	(46)	(46)
Intestine Large, Colon	(0)	(0)	(0)	(0)	(45)	(49)
Intestine Large, Rectum	(0)	(0)	(0)	(0)	(45)	(46)
Intestine Small	(0)	(0)	(0)	(0)	(1)	(0)
Intestine Small, Duodenum	(0)	(0)	(0)	(1)	(48)	(48)
Intestine Small, Ileum	(0)	(0)	(0)	(3)	(48)	(47)
Intestine Small, Jejunum	(0)	(0)	(0)	(2)	(48)	(44)
Adenocarcinoma					1 (2%)	
Liver	(11)	(10)	(14)	(6)	(49)	(50)
Hemangiosarcoma					1 (2%)	
Hemangiosarcoma, Multiple						

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CD-1 CRL Mouse MALE	ACETONE/DEP	DMP/TPA	DMP/ACETONE	DMBA/DMP	ACETONE/DMP	ACETONE/ACETONE
Hepatocellular Adenoma	3 (27%)	1 (10%)	4 (29%)	2 (33%)	9 (18%)	5 (10%)
Hepatocellular Adenoma, Multiple					1 (2%)	
Hepatocellular Carcinoma	1 (9%)		1 (7%)			2 (4%)
Hepatocellular Carcinoma, Multiple						
Hepatocholangiocarcinoma	1 (9%)					
Mesentery	(1)	(0)	(0)	(0)	(0)	(0)
Pancreas	(1)	(0)	(1)	(3)	(49)	(50)
Salivary Glands	(0)	(0)	(0)	(0)	(48)	(50)
Stomach	(0)	(0)	(0)	(0)	(3)	(0)
Stomach, Forestomach	(0)	(1)	(0)	(0)	(48)	(50)
Stomach, Glandular	(0)	(1)	(1)	(0)	(48)	(50)
Tongue	(0)	(1)	(0)	(0)	(0)	(0)
CARDIOVASCULAR SYSTEM						
Heart	(3)	(0)	(1)	(3)	(49)	(50)
ENDOCRINE SYSTEM						
Adrenal Gland	(0)	(0)	(0)	(0)	(22)	(22)
Adrenal Gland, Cortex	(0)	(0)	(0)	(0)	(48)	(50)
Adenoma					2 (4%)	4 (8%)
Carcinoma					1 (2%)	
Adrenal Gland, Medulla	(0)	(0)	(0)	(0)	(48)	(50)
Islets, Pancreatic	(0)	(0)	(0)	(0)	(49)	(50)
Parathyroid Gland	(0)	(0)	(0)	(0)	(34)	(11)
Pituitary Gland	(0)	(0)	(1)	(0)	(48)	(48)
Thyroid Gland	(0)	(0)	(0)	(1)	(49)	(46)
GENERAL BODY SYSTEM						
Tissue NOS	(3)	(2)	(4)	(4)	(3)	(3)

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b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

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CD-1 CRL Mouse MALE	ACETONE/DEP	DMP/TPA	DMP/ACETONE	DMBA/DMP	ACETONE/DMP	ACETONE/ACETONE
Hemangioma		1 (50%)				
Lipoma	1 (33%)	1 (50%)	4 (100%)	4 (100%)	1 (33%)	1 (33%)
GENITAL SYSTEM						
Coagulating Gland	(0)	(0)	(0)	(0)	(0)	(1)
Epididymis	(0)	(0)	(0)	(0)	(49)	(50)
Penis	(1)	(3)	(2)	(1)	(2)	(5)
Preputial Gland	(4)	(2)	(2)	(1)	(2)	(1)
Prostate	(0)	(0)	(0)	(1)	(48)	(47)
Seminal Vesicle	(9)	(0)	(7)	(3)	(49)	(50)
Testes	(0)	(1)	(0)	(1)	(49)	(50)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(0)	(0)	(0)	(0)	(47)	(48)
Lymph Node	(4)	(25)	(2)	(1)	(3)	(3)
Bronchial, Alveolar/Bronchiolar Carcinoma, Metastatic, Uncertain Primary Site						
Lymph Node, Mandibular	(3)	(22)	(6)	(1)	(48)	(49)
Lymph Node, Mesenteric	(3)	(1)	(1)	(1)	(47)	(43)
Spleen	(9)	(34)	(7)	(4)	(49)	(50)
Thymus	(1)	(0)	(0)	(0)	(42)	(43)
INTEGUMENTARY SYSTEM						
Mammary Gland	(0)	(0)	(0)	(0)	(6)	(14)
Skin	(44)	(22)	(47)	(44)	(42)	(47)
Other, Hemangioma					1 (2%)	
Other, Papilloma						
Other, Squamous Cell Carcinoma						
Skin, Control	(50)	(49)	(50)	(50)	(49)	(50)
Skin, SOA-Mass	(0)	(5)	(0)	(1)	(1)	(1)

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CD-1 CRL Mouse MALE	ACETONE/DEP	DMP/TPA	DMP/ACETONE	DMBA/DMP	ACETONE/DMP	ACETONE/ACETONE
Papilloma		2 (40%)		1 (100%)		
Papilloma, Multiple		1 (20%)				
Sebaceous GI, Adenoma						
Squamous Cell Carcinoma		1 (20%)				
Skin, SOA-No Mass	(15)	(48)	(10)	(10)	(12)	(9)
Squamous Cell Carcinoma						
MUSCULOSKELETAL SYSTEM						
Bone	(0)	(0)	(0)	(0)	(47)	(49)
NERVOUS SYSTEM						
Brain	(0)	(2)	(0)	(0)	(49)	(49)
Spinal Cord	(0)	(0)	(0)	(0)	(0)	(0)
RESPIRATORY SYSTEM						
Lung	(50)	(49)	(50)	(50)	(49)	(50)
Alveolar/Bronchiolar Adenoma	6 (12%)		3 (6%)	5 (10%)	4 (8%)	3 (6%)
Alveolar/Bronchiolar Adenoma, Multiple	1 (2%)		1 (2%)			1 (2%)
Alveolar/Bronchiolar Carcinoma	1 (2%)				1 (2%)	
Alveolar/Bronchiolar Carcinoma, Multiple	1 (2%)					
Squamous Cell Carcinoma, Metastatic, Uncertain Primary Site						
Nose	(0)	(0)	(0)	(0)	(49)	(50)
Trachea	(0)	(0)	(0)	(0)	(49)	(49)
SPECIAL SENSES SYSTEM						
Ear	(0)	(1)	(5)	(0)	(1)	(2)
Eye	(0)	(5)	(2)	(0)	(1)	(2)
Harderian Gland	(0)	(0)	(0)	(0)	(0)	(1)
Zymbal's Gland	(0)	(0)	(0)	(0)	(0)	(0)

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CD-1 CRL Mouse MALE	ACETONE/DEP	DMP/TPA	DMP/ACETONE	DMBA/DMP	ACETONE/DMP	ACETONE/ACETONE
URINARY SYSTEM						
Kidney	(5)	(4)	(8)	(10)	(49)	(50)
Urethra	(0)	(0)	(0)	(1)	(0)	(0)
Urinary Bladder	(3)	(1)	(3)	(2)	(46)	(47)
Carcinoma					1 (2%)	
SYSTEMIC LESIONS						
Multiple Organ	*(50)	*(49)	*(50)	*(50)	*(49)	*(50)
Lymphoma Malignant Lymphocytic	2 (4%)					
Lymphoma Malignant Mixed						

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

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CD-1 CRL Mouse MALE	DMBA/TPA	DMBA/ACETONE	ACETONE/TPA	DEP/TPA	DEP/ACETONE	DMBA/DEP
Tumor Summary for MALE						
Total Animals with Primary Neoplasms (b)	25	16	11	6	11	13
Total Primary Neoplasms	34	18	12	7	17	14
Total Animals with Benign Neoplasms	23	13	10	6	9	13
Total Benign Neoplasms	23	13	11	6	15	13
Total Animals with Malignant Neoplasms	9	4	1	1	2	1
Total Malignant Neoplasms	11	5	1	1	2	1
Total Animals with Metastatic Neoplasms	1	1				
Total Metastatic Neoplasms	1	1				
Total Animals with Malignant Neoplasms Uncertain Primary Site	1	1				
Total Animals with Neoplasms Uncertain - Benign or Malignant						
Total Uncertain Neoplasms						

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b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

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

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

Test Compound: Diethyl phthalate/dimethyl phthalate
CAS Number: DIETH/DIMETH

Date Report Requested: 10/15/2014
Time Report Requested: 22:55:14
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
Tumor Summary for MALE						
Total Animals with Primary Neoplasms (b)	15	7	13	11	19	14
Total Primary Neoplasms	17	7	13	12	23	16
Total Animals with Benign Neoplasms	10	6	12	11	15	12
Total Benign Neoplasms	11	6	12	12	18	14
Total Animals with Malignant Neoplasms	6	1	1		5	2
Total Malignant Neoplasms	6	1	1		5	2
Total Animals with Metastatic Neoplasms						
Total Metastatic Neoplasms						
Total Animals with Malignant Neoplasms Uncertain Primary Site						
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

* Number of animals with any tissue examined microscopically