

TDMs No. 88133 - 07

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

Date Report Requested: 03/31/2010

Test Type: CHRONIC

Trimethylolpropane triacrylate

Time Report Requested: 13:41:41

Route: SKIN APPLICATION

CAS Number: 15625-89-5

First Dose M/F: 01/18/05 / 01/18/05

Species/Strain: RATS/F 344/N

Lab: SRI

C Number: C88133C
Lock Date: 10/30/2007
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 2.2.0

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Trimethylolpropane triacrylate

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CAS Number: 15625-89-5

First Dose M/F: 01/18/05 / 01/18/05

Species/Strain: RATS/F 344/N

Lab: SRI

FISCHER 344 RATS MALE	0 MG/KG	0.3 MG/KG	1.0 MG/KG	3.0 MG/KG
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Disposition Summary

Animals Initially In Study	65	65	65	65
Scheduled Sacrifice	15	15	15	15
Early Deaths				
Accidentally Killed		1		
Moribund Sacrifice	19	24	19	16
Natural Death	8	7	3	11
Survivors				
Terminal Sacrifice	23	18	28	23
Animals Examined Microscopically	50	50	50	50

ALIMENTARY SYSTEM

Intestine Large, Cecum	(50)	(50)	(49)	(50)
Intestine Large, Colon	(50)	(49)	(49)	(50)
Adenoma			1 (2%)	
Intestine Large, Rectum	(49)	(48)	(50)	(50)
Intestine Small, Duodenum	(50)	(49)	(50)	(50)
Intestine Small, Ileum	(49)	(47)	(48)	(48)
Intestine Small, Jejunum	(48)	(44)	(48)	(49)
Liver	(50)	(50)	(50)	(50)
Hepatocellular Adenoma			1 (2%)	
Hepatocellular Adenoma, Multiple	1 (2%)	1 (2%)		
Hepatocellular Carcinoma	1 (2%)			1 (2%)
Mesentery	(18)	(13)	(16)	(16)
Fibrosarcoma				1 (6%)
Lipoma			1 (6%)	
Osteosarcoma, Metastatic, Bone	1 (6%)			
Oral Mucosa	(0)	(0)	(1)	(1)
Squamous Cell Papilloma				1 (100%)
Pancreas	(50)	(50)	(50)	(50)
Mixed Tumor Benign	1 (2%)		1 (2%)	
Acinus, Adenoma	1 (2%)		3 (6%)	
Acinus, Adenoma, Multiple			1 (2%)	
Salivary Glands	(50)	(50)	(50)	(50)

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

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Lab: SRI

FISCHER 344 RATS MALE	0 MG/KG	0.3 MG/KG	1.0 MG/KG	3.0 MG/KG
Carcinoma	1 (2%)			
Stomach, Forestomach	(50)	(50)	(50)	(50)
Stomach, Glandular	(50)	(50)	(50)	(50)
Tongue	(1)	(1)	(0)	(0)
Squamous Cell Papilloma	1 (100%)			
Tooth	(0)	(1)	(0)	(0)

CARDIOVASCULAR SYSTEM

Blood Vessel	(1)	(2)	(1)	(0)
Heart	(50)	(50)	(50)	(50)
Fibrous Histiocytoma, Metastatic, Skeletal Muscle			1 (2%)	

ENDOCRINE SYSTEM

Adrenal Cortex	(50)	(50)	(50)	(50)
Adenoma	1 (2%)	1 (2%)		
Osteosarcoma, Metastatic, Bone	1 (2%)			
Adrenal Medulla	(49)	(50)	(50)	(50)
Pheochromocytoma Benign	7 (14%)	8 (16%)	2 (4%)	6 (12%)
Pheochromocytoma Benign, Multiple	4 (8%)	4 (8%)	2 (4%)	3 (6%)
Pheochromocytoma Malignant	1 (2%)	3 (6%)	1 (2%)	1 (2%)
Pheochromocytoma Malignant, Multiple				2 (4%)
Islets, Pancreatic	(50)	(50)	(50)	(50)
Adenoma	15 (30%)	13 (26%)	9 (18%)	14 (28%)
Adenoma, Multiple	3 (6%)	3 (6%)		
Parathyroid Gland	(45)	(46)	(45)	(47)
Adenoma				1 (2%)
Pituitary Gland	(49)	(50)	(49)	(50)
Pars Distalis, Adenoma	32 (65%)	40 (80%)	36 (73%)	30 (60%)
Pars Distalis, Adenoma, Multiple	2 (4%)	1 (2%)	3 (6%)	4 (8%)
Pars Distalis, Carcinoma			1 (2%)	1 (2%)
Pars Intermedia, Adenoma				1 (2%)
Thyroid Gland	(50)	(50)	(49)	(50)

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Species/Strain: RATS/F 344/N

Lab: SRI

FISCHER 344 RATS MALE	0 MG/KG	0.3 MG/KG	1.0 MG/KG	3.0 MG/KG
C-cell, Adenoma	8 (16%)	2 (4%)	6 (12%)	5 (10%)
C-cell, Carcinoma	1 (2%)	1 (2%)		
Follicular Cell, Adenoma				1 (2%)

GENERAL BODY SYSTEM

Tissue NOS	(1)	(0)	(2)	(0)
Fibroma			1 (50%)	
Fibrous Histiocytoma, Metastatic, Skeletal Muscle			1 (50%)	
Osteosarcoma, Metastatic, Bone	1 (100%)			

GENITAL SYSTEM

Epididymis	(50)	(50)	(50)	(50)
Preputial Gland	(50)	(50)	(50)	(50)
Adenoma	3 (6%)	2 (4%)		2 (4%)
Carcinoma		1 (2%)	3 (6%)	
Prostate	(50)	(50)	(50)	(50)
Adenoma				1 (2%)
Seminal Vesicle	(50)	(50)	(50)	(50)
Testes	(50)	(50)	(50)	(50)
Bilateral, Interstitial Cell, Adenoma	8 (16%)	4 (8%)	11 (22%)	13 (26%)
Interstitial Cell, Adenoma	19 (38%)	13 (26%)	16 (32%)	15 (30%)

HEMATOPOIETIC SYSTEM

Bone Marrow	(49)	(50)	(49)	(50)
Osteosarcoma, Metastatic, Bone	1 (2%)			
Lymph Node	(20)	(20)	(17)	(18)
Osteosarcoma, Metastatic, Bone	1 (5%)			
Lymph Node, Mandibular	(4)	(0)	(0)	(1)
Lymph Node, Mesenteric	(50)	(50)	(50)	(49)
Spleen	(50)	(50)	(49)	(49)

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Species/Strain: RATS/F 344/N

Lab: SRI

FISCHER 344 RATS MALE	0 MG/KG	0.3 MG/KG	1.0 MG/KG	3.0 MG/KG
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Thymus	(45)	(44)	(49)	(46)
Fibrous Histiocytoma, Metastatic, Skeletal Muscle			1 (2%)	
Thymoma Benign			1 (2%)	

INTEGUMENTARY SYSTEM

Mammary Gland	(50)	(49)	(49)	(48)
Carcinoma		1 (2%)		
Fibroadenoma	1 (2%)	3 (6%)	2 (4%)	2 (4%)
Skin	(50)	(49)	(50)	(50)
Basal Cell Adenoma		3 (6%)		2 (4%)
Basal Cell Carcinoma		2 (4%)	1 (2%)	
Keratoacanthoma	3 (6%)	5 (10%)	2 (4%)	5 (10%)
Keratoacanthoma, Multiple	1 (2%)			
Squamous Cell Papilloma	1 (2%)			
Squamous Cell Papilloma, Multiple			1 (2%)	
Trichoepithelioma		1 (2%)		
Subcutaneous Tissue, Fibroma	4 (8%)	4 (8%)	10 (20%)	4 (8%)
Subcutaneous Tissue, Fibroma, Multiple				2 (4%)
Subcutaneous Tissue, Lipoma	2 (4%)	1 (2%)	3 (6%)	3 (6%)
Subcutaneous Tissue, Schwannoma Benign		1 (2%)		

MUSCULOSKELETAL SYSTEM

Bone	(50)	(50)	(50)	(50)
Chordoma				1 (2%)
Osteosarcoma	2 (4%)			1 (2%)
Skeletal Muscle	(2)	(0)	(3)	(1)
Fibrous Histiocytoma			1 (33%)	
Osteosarcoma, Metastatic, Bone Sarcoma	1 (50%)		1 (33%)	

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NERVOUS SYSTEM

Brain	(50)	(50)	(50)	(50)
Carcinoma, Metastatic, Pituitary Gland			1 (2%)	1 (2%)
Spinal Cord	(2)	(3)	(5)	(3)

RESPIRATORY SYSTEM

Lung	(50)	(50)	(50)	(50)
Alveolar/Bronchiolar Adenoma				2 (4%)
Alveolar/Bronchiolar Adenoma, Multiple	1 (2%)			
Alveolar/Bronchiolar Carcinoma		2 (4%)		
Carcinoma	1 (2%)			
Fibrous Histiocytoma, Metastatic, Skeletal Muscle			1 (2%)	
Osteosarcoma, Metastatic, Bone	2 (4%)			1 (2%)
Pheochromocytoma Malignant, Metastatic, Adrenal Medulla				1 (2%)
Nose	(50)	(50)	(50)	(50)
Trachea	(50)	(50)	(50)	(50)

SPECIAL SENSES SYSTEM

Eye	(50)	(50)	(50)	(50)
Harderian Gland	(50)	(50)	(50)	(50)
Zymbal's Gland	(1)	(2)	(1)	(3)
Adenoma	1 (100%)			
Carcinoma		2 (100%)	1 (100%)	3 (100%)

URINARY SYSTEM

Kidney	(50)	(50)	(50)	(50)
Nephroblastoma		1 (2%)		
Osteosarcoma, Metastatic, Bone	1 (2%)			

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Species/Strain: RATS/F 344/N

Lab: SRI

FISCHER 344 RATS MALE	0 MG/KG	0.3 MG/KG	1.0 MG/KG	3.0 MG/KG
Renal Tubule, Adenoma			1 (2%)	
Renal Tubule, Carcinoma		1 (2%)		
Urinary Bladder	(50)	(50)	(50)	(50)
SYSTEMIC LESIONS				
Multiple Organ	*(50)	*(50)	*(50)	*(50)
Leukemia Mononuclear	26 (52%)	17 (34%)	14 (28%)	14 (28%)
Lymphoma Malignant		1 (2%)	2 (4%)	2 (4%)
Mesothelioma Malignant		2 (4%)	2 (4%)	5 (10%)

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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Species/Strain: RATS/F 344/N

Lab: SRI

FISCHER 344 RATS MALE

0 MG/KG

0.3 MG/KG

1.0 MG/KG

3.0 MG/KG

Tumor Summary for Males

Total Animals with Primary Neoplasms (b)	50	48	50	50
Total Primary Neoplasms	153	144	141	149
Total Animals with Benign Neoplasms	48	45	47	47
Total Benign Neoplasms	120	110	114	117
Total Animals with Malignant Neoplasms	30	29	23	28
Total Malignant Neoplasms	33	34	27	32
Total Animals with Metastatic Neoplasms	2		2	3
Total Metastatic Neoplasms	9		5	3
Total Animals with Malignant Neoplasms Uncertain Primary Site				
Total Animals with Neoplasms Uncertain- Benign or Malignant				
Total Uncertain Neoplasms				

*** 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

Test Type: CHRONIC

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Species/Strain: RATS/F 344/N

Lab: SRI

FISCHER 344 RATS FEMALE	0 MG/KG	0.3 MG.KG	1.0 MG/KG	3.0 MG/KG
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Disposition Summary

Animals Initially In Study	65	65	65	65
Scheduled Sacrifice	15	15	15	15
Early Deaths				
Moribund Sacrifice	10	12	17	10
Natural Death	13	7	9	8
Survivors				
Natural Death			1	
Terminal Sacrifice	27	31	23	32
Animals Examined Microscopically	50	50	50	50

ALIMENTARY SYSTEM

Intestine Large, Cecum	(49)	(49)	(49)	(50)
Intestine Small, Duodenum	(50)	(50)	(50)	(50)
Intestine Small, Ileum	(45)	(49)	(48)	(49)
Intestine Small, Jejunum	(44)	(47)	(44)	(49)
Sarcoma, Metastatic, Kidney	1 (2%)			
Liver	(50)	(50)	(50)	(50)
Mesentery	(26)	(15)	(19)	(18)
Schwannoma Malignant				1 (6%)
Pancreas	(50)	(50)	(49)	(50)
Sarcoma, Metastatic, Kidney	1 (2%)			
Salivary Glands	(50)	(50)	(50)	(50)
Stomach, Forestomach	(50)	(50)	(50)	(50)
Squamous Cell Papilloma				1 (2%)
Stomach, Glandular	(50)	(50)	(50)	(50)
Tongue	(1)	(1)	(0)	(0)
Squamous Cell Papilloma		1 (100%)		

CARDIOVASCULAR SYSTEM

Heart	(50)	(50)	(50)	(50)
Sarcoma, Metastatic, Tissue Nos		1 (2%)		

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CAS Number: 15625-89-5

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Species/Strain: RATS/F 344/N

Lab: SRI

FISCHER 344 RATS FEMALE	0 MG/KG	0.3 MG.KG	1.0 MG/KG	3.0 MG/KG
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ENDOCRINE SYSTEM

Adrenal Cortex	(50)	(50)	(50)	(50)
Adenoma		3 (6%)		
Adrenal Medulla	(48)	(50)	(49)	(50)
Pheochromocytoma Benign		1 (2%)	4 (8%)	1 (2%)
Pheochromocytoma Complex				1 (2%)
Pheochromocytoma Malignant, Multiple			1 (2%)	
Islets, Pancreatic	(50)	(50)	(49)	(50)
Adenoma	3 (6%)	1 (2%)	2 (4%)	2 (4%)
Parathyroid Gland	(45)	(49)	(46)	(46)
Pituitary Gland	(50)	(50)	(50)	(50)
Pars Distalis, Adenoma	34 (68%)	34 (68%)	24 (48%)	25 (50%)
Pars Distalis, Adenoma, Multiple	2 (4%)	3 (6%)	1 (2%)	5 (10%)
Pars Distalis, Carcinoma	2 (4%)	2 (4%)	3 (6%)	2 (4%)
Pars Intermedia, Adenoma	1 (2%)	1 (2%)	1 (2%)	
Pars Nervosa, Craniopharyngioma	1 (2%)			
Thyroid Gland	(50)	(50)	(50)	(50)
C-cell, Adenoma	3 (6%)	3 (6%)	1 (2%)	5 (10%)
C-cell, Carcinoma		1 (2%)	1 (2%)	1 (2%)
Follicular Cell, Adenoma			1 (2%)	1 (2%)
Follicular Cell, Carcinoma		1 (2%)		1 (2%)

GENERAL BODY SYSTEM

Tissue NOS	(0)	(1)	(1)	(0)
Sarcoma		1 (100%)		

GENITAL SYSTEM

Clitoral Gland	(50)	(50)	(50)	(49)
Adenoma	4 (8%)	4 (8%)	3 (6%)	4 (8%)
Carcinoma	4 (8%)	2 (4%)	4 (8%)	3 (6%)

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

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Species/Strain: RATS/F 344/N

Lab: SRI

FISCHER 344 RATS FEMALE	0 MG/KG	0.3 MG.KG	1.0 MG/KG	3.0 MG/KG
Carcinoma, Multiple	3 (6%)			
Ovary	(50)	(50)	(50)	(50)
Granulosa Cell Tumor Malignant	1 (2%)			
Thecoma Malignant			1 (2%)	
Uterus	(50)	(50)	(50)	(50)
Polyp Stromal	9 (18%)	7 (14%)	7 (14%)	10 (20%)
Polyp Stromal, Multiple		2 (4%)	2 (4%)	
Vagina	(8)	(5)	(9)	(5)
Polyp	1 (13%)			1 (20%)

HEMATOPOIETIC SYSTEM

Bone Marrow	(50)	(50)	(50)	(50)
Lymph Node	(12)	(11)	(8)	(4)
Lymph Node, Mandibular	(4)	(0)	(0)	(0)
Lymph Node, Mesenteric	(50)	(50)	(50)	(50)
Spleen	(50)	(50)	(50)	(50)
Hemangiosarcoma				1 (2%)
Thymus	(47)	(47)	(46)	(50)
Thymoma Benign		1 (2%)		1 (2%)

INTEGUMENTARY SYSTEM

Mammary Gland	(50)	(50)	(50)	(50)
Adenoma	3 (6%)	1 (2%)	1 (2%)	
Adenoma, Multiple	1 (2%)			
Carcinoma	3 (6%)	2 (4%)	1 (2%)	3 (6%)
Carcinoma, Multiple		1 (2%)	1 (2%)	
Fibroadenoma	14 (28%)	18 (36%)	19 (38%)	13 (26%)
Fibroadenoma, Multiple	8 (16%)	9 (18%)	7 (14%)	12 (24%)
Skin	(50)	(50)	(50)	(50)
Basal Cell Adenoma	1 (2%)			
Keratoacanthoma		1 (2%)	3 (6%)	2 (4%)
Trichoepithelioma				1 (2%)
Control, Basal Cell Adenoma		1 (2%)		

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FISCHER 344 RATS FEMALE	0 MG/KG	0.3 MG.KG	1.0 MG/KG	3.0 MG/KG
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Subcutaneous Tissue, Fibroma		3 (6%)	2 (4%)	
Subcutaneous Tissue, Schwannoma Benign	1 (2%)	1 (2%)		

MUSCULOSKELETAL SYSTEM

Bone	(50)	(50)	(50)	(50)
Skeletal Muscle	(0)	(1)	(1)	(0)
Sarcoma		1 (100%)		

NERVOUS SYSTEM

Brain	(50)	(50)	(50)	(50)
Carcinoma, Metastatic, Pituitary Gland	1 (2%)	2 (4%)	3 (6%)	2 (4%)
Oligodendroglioma Malignant		1 (2%)		

RESPIRATORY SYSTEM

Lung	(50)	(50)	(50)	(50)
Carcinoma, Metastatic, Pituitary Gland			1 (2%)	
Carcinoma, Metastatic, Thyroid Gland				1 (2%)
Pheochromocytoma Malignant, Metastatic, Adrenal Medulla			1 (2%)	
Sarcoma, Metastatic, Tissue Nos		1 (2%)		
Nose	(50)	(50)	(50)	(50)

SPECIAL SENSES SYSTEM

Eye	(50)	(50)	(50)	(50)
Harderian Gland	(50)	(50)	(50)	(50)
Zymbal's Gland	(0)	(1)	(0)	(0)
Carcinoma		1 (100%)		

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Lab: SRI

FISCHER 344 RATS FEMALE

0 MG/KG

0.3 MG.KG

1.0 MG/KG

3.0 MG/KG

URINARY SYSTEM

Kidney	(50)	(50)	(50)	(50)
Sarcoma	1 (2%)			
Transitional Epithelium, Carcinoma		1 (2%)		
Urinary Bladder	(50)	(50)	(49)	(50)

SYSTEMIC LESIONS

Multiple Organ	*(50)	*(50)	*(50)	*(50)
Leukemia Mononuclear	12 (24%)	12 (24%)	17 (34%)	10 (20%)
Lymphoma Malignant		2 (4%)		1 (2%)

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* Number of animals with any tissue examined microscopically

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Lab: SRI

FISCHER 344 RATS FEMALE

0 MG/KG

0.3 MG.KG

1.0 MG/KG

3.0 MG/KG

Tumor Summary for Females

Total Animals with Primary Neoplasms (b)	47	50	48	45
Total Primary Neoplasms	112	123	107	108
Total Animals with Benign Neoplasms	43	47	42	42
Total Benign Neoplasms	86	95	78	84
Total Animals with Malignant Neoplasms	21	21	26	21
Total Malignant Neoplasms	26	28	29	24
Total Animals with Metastatic Neoplasms	2	3	4	3
Total Metastatic Neoplasms	3	4	5	3
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