

**TDMS No.** 96011 - 05

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** RATS/F 344

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

CUMENE

**CAS Number:** 98-82-8

**Pathologist:** PIERCE, J. - RENNE, R.

F 1 R2

**Date Report Reqsted:** 01/12/2006

**Time Report Reqsted:** 09:48:09

**First Dose M/F:** 06/04/01 / 06/04/01

**Lab:** BNW

**C Number:** C96011  
**Lock Date:** 01/28/2004  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL

Test Type: CHRONIC

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CAS Number: 98-82-8

First Dose M/F: 06/04/01 / 06/04/01

Species/Strain: RATS/F 344

Pathologist: PIERCE, J. - RENNE, R.

Lab: BNW

FISCHER 344 RATS MALE	CONTROL	250 PPM	500 PPM	1000 PPM
<b>Disposition Summary</b>				
Animals Initially in Study	50	50	50	50
Early Deaths				
Moribund Sacrifice	20	24	21	24
Natural Death	4	3	2	2
Survivors				
Terminal Sacrifice	26	23	27	24
Animals Examined Microscopically	50	50	50	50
<b>ALIMENTARY SYSTEM</b>				
Esophagus	(50)	(50)	(50)	(50)
Intestine Large, Cecum	(49)	(49)	(49)	(49)
Intestine Large, Colon	(49)	(50)	(50)	(50)
Intestine Large, Rectum	(49)	(50)	(50)	(50)
Intestine Small, Duodenum	(49)	(49)	(49)	(49)
Intestine Small, Ileum	(49)	(47)	(48)	(49)
Intestine Small, Jejunum	(48)	(47)	(48)	(49)
Liver	(50)	(50)	(50)	(50)
Carcinoma, Metastatic, Prostate				1 (2%)
Hepatocellular Adenoma			1 (2%)	
Hepatocellular Carcinoma				2 (4%)
Mesentery	(7)	(13)	(10)	(6)
Carcinoma, Metastatic, Prostate				1 (17%)
Pancreas	(50)	(50)	(50)	(50)
Carcinoma, Metastatic, Prostate				1 (2%)
Stomach, Forestomach	(50)	(50)	(50)	(50)
Stomach, Glandular	(50)	(50)	(50)	(50)
Tongue	(1)	(3)	(1)	(3)
Papilloma		1 (33%)		
Tooth	(0)	(1)	(0)	(0)
<b>CARDIOVASCULAR SYSTEM</b>				
Blood Vessel	(1)	(1)	(1)	(0)
Heart	(50)	(50)	(50)	(50)

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

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Species/Strain: RATS/F 344

Pathologist: PIERCE, J. - RENNE, R.

Lab: BNW

FISCHER 344 RATS MALE	CONTROL	250 PPM	500 PPM	1000 PPM
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung			1 (2%)	1 (2%)
Carcinoma, Metastatic, Prostate				1 (2%)
Pericardium, Carcinoma, Metastatic, Lung	1 (2%)			
<b>ENDOCRINE SYSTEM</b>				
Adrenal Cortex	(50)	(50)	(50)	(50)
Adenoma		2 (4%)	3 (6%)	
Adrenal Medulla	(50)	(50)	(50)	(50)
Pheochromocytoma Benign	7 (14%)	6 (12%)	9 (18%)	8 (16%)
Pheochromocytoma Malignant	1 (2%)	1 (2%)	1 (2%)	2 (4%)
Bilateral, Pheochromocytoma Benign		1 (2%)		3 (6%)
Islets, Pancreatic	(50)	(50)	(50)	(50)
Adenoma	1 (2%)	2 (4%)	2 (4%)	2 (4%)
Carcinoma	2 (4%)	1 (2%)	2 (4%)	1 (2%)
Parathyroid Gland	(45)	(49)	(49)	(48)
Pituitary Gland	(50)	(50)	(49)	(50)
Adenoma	36 (72%)	38 (76%)	25 (51%)	30 (60%)
Thyroid Gland	(50)	(50)	(50)	(50)
C-cell, Adenoma	3 (6%)	7 (14%)	1 (2%)	4 (8%)
C-cell, Carcinoma	1 (2%)	2 (4%)	1 (2%)	2 (4%)
Follicular Cell, Adenoma		1 (2%)		1 (2%)
Follicular Cell, Carcinoma	2 (4%)			2 (4%)
<b>GENERAL BODY SYSTEM</b>				
Peritoneum	(2)	(2)	(4)	(2)
Carcinoma, Metastatic, Prostate				1 (50%)
Carcinoma, Metastatic, Urinary Bladder			1 (25%)	
<b>GENITAL SYSTEM</b>				
Epididymis	(50)	(50)	(50)	(50)
Carcinoma, Metastatic, Prostate				1 (2%)
Preputial Gland	(50)	(50)	(50)	(50)
Carcinoma		3 (6%)	1 (2%)	
Prostate	(50)	(50)	(50)	(50)

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FISCHER 344 RATS MALE	CONTROL	250 PPM	500 PPM	1000 PPM
Carcinoma				1 (2%)
Carcinoma, Metastatic, Urinary Bladder			1 (2%)	
Seminal Vesicle	(50)	(50)	(50)	(50)
Carcinoma, Metastatic, Prostate				1 (2%)
Testes	(50)	(50)	(50)	(50)
Bilateral, Interstitial Cell, Adenoma	18 (36%)	24 (48%)	27 (54%)	37 (74%)
Interstitial Cell, Adenoma	18 (36%)	14 (28%)	13 (26%)	9 (18%)
<b>HEMATOPOIETIC SYSTEM</b>				
Bone Marrow	(50)	(50)	(50)	(50)
Lymph Node	(7)	(10)	(8)	(14)
Deep Cervical, Carcinoma, Metastatic, Skin		1 (10%)		
Lymph Node, Bronchial	(7)	(12)	(11)	(8)
Lymph Node, Mandibular	(1)	(3)	(0)	(1)
Lymph Node, Mediastinal	(34)	(32)	(34)	(34)
Carcinoma, Metastatic, Thyroid Gland	1 (3%)	1 (3%)		
Lymph Node, Mesenteric	(50)	(50)	(50)	(50)
Spleen	(50)	(50)	(50)	(50)
Carcinoma, Metastatic, Prostate				1 (2%)
Thymus	(49)	(49)	(50)	(50)
<b>INTEGUMENTARY SYSTEM</b>				
Mammary Gland	(50)	(50)	(50)	(50)
Carcinoma	1 (2%)		2 (4%)	
Carcinoma, Multiple	1 (2%)			
Fibroadenoma		1 (2%)	3 (6%)	2 (4%)
Skin	(50)	(50)	(50)	(50)
Basal Cell Adenoma	1 (2%)	1 (2%)	1 (2%)	1 (2%)
Basal Cell Carcinoma			2 (4%)	
Keratoacanthoma	4 (8%)	1 (2%)	2 (4%)	2 (4%)
Keratoacanthoma, Multiple		1 (2%)		1 (2%)
Squamous Cell Papilloma			1 (2%)	
Trichoepithelioma				1 (2%)
Sebaceous Gland, Adenoma	1 (2%)			
Sebaceous Gland, Carcinoma		1 (2%)		
Subcutaneous Tissue, Carcinoma,		1 (2%)		

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Pathologist: PIERCE, J. - RENNE, R.

Lab: BNW

FISCHER 344 RATS MALE	CONTROL	250 PPM	500 PPM	1000 PPM
Metastatic, Harderian Gland				
Subcutaneous Tissue, Fibroma	3 (6%)	3 (6%)	3 (6%)	4 (8%)
Subcutaneous Tissue, Fibrosarcoma				1 (2%)
Subcutaneous Tissue, Lipoma		1 (2%)	1 (2%)	
Subcutaneous Tissue, Schwannoma				1 (2%)
Benign				
<b>MUSCULOSKELETAL SYSTEM</b>				
Bone	(50)	(50)	(50)	(50)
Cranium, Carcinoma, Metastatic, Zymbal'S Gland	1 (2%)			
Skeletal Muscle	(1)	(2)	(2)	(1)
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung			1 (50%)	
Carcinoma, Metastatic, Lung	1 (100%)			
Carcinoma, Metastatic, Prostate				1 (100%)
Carcinoma, Metastatic, Urinary Bladder			1 (50%)	
Rhabdomyosarcoma		1 (50%)		
<b>NERVOUS SYSTEM</b>				
Brain	(50)	(50)	(50)	(50)
Granular Cell Tumor Malignant		1 (2%)		
<b>RESPIRATORY SYSTEM</b>				
Larynx	(50)	(50)	(50)	(50)
Lung	(50)	(50)	(50)	(50)
Alveolar/Bronchiolar Adenoma	1 (2%)	2 (4%)	2 (4%)	2 (4%)
Alveolar/Bronchiolar Carcinoma				2 (4%)
Alveolar/Bronchiolar Carcinoma, Multiple	1 (2%)		1 (2%)	1 (2%)
Carcinoma, Metastatic, Prostate				1 (2%)
Carcinoma, Metastatic, Skin		1 (2%)	1 (2%)	
Carcinoma, Metastatic, Thyroid Gland				1 (2%)
Carcinoma, Metastatic, Urinary Bladder			1 (2%)	
Pheochromocytoma Malignant, Metastatic, Adrenal Medulla	1 (2%)			1 (2%)

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Lab: BNW

FISCHER 344 RATS MALE	CONTROL	250 PPM	500 PPM	1000 PPM
Nose	(50)	(50)	(49)	(50)
Glands, Respiratory Epithelium, Adenoma			1 (2%)	
Respiratory Epithelium, Adenoma		6 (12%)	15 (31%)	4 (8%)
Respiratory Epithelium, Adenoma, Multiple		1 (2%)	2 (4%)	6 (12%)
Pleura	(5)	(3)	(5)	(6)
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung			1 (20%)	
Trachea	(50)	(50)	(50)	(50)
<b>SPECIAL SENSES SYSTEM</b>				
Eye	(50)	(50)	(49)	(50)
Carcinoma, Metastatic, Harderian Gland		1 (2%)		
Harderian Gland	(50)	(50)	(50)	(50)
Carcinoma		1 (2%)		
Zymbal's Gland	(1)	(0)	(0)	(2)
Carcinoma	1 (100%)			2 (100%)
<b>URINARY SYSTEM</b>				
Kidney	(50)	(50)	(50)	(50)
Carcinoma, Metastatic, Prostate				1 (2%)
Lipoma	1 (2%)			1 (2%)
Bilateral, Renal Tubule, Carcinoma			1 (2%)	
Renal Tubule, Adenoma	1 (2%)	4 (8%)	5 (10%)	4 (8%)
Renal Tubule, Carcinoma	1 (2%)	1 (2%)	2 (4%)	3 (6%)
Ureter	(0)	(1)	(0)	(1)
Carcinoma, Metastatic, Prostate				1 (100%)
Urethra	(0)	(0)	(1)	(1)
Carcinoma, Metastatic, Prostate				1 (100%)
Urinary Bladder	(50)	(50)	(49)	(50)
Transitional Epithelium, Carcinoma			2 (4%)	1 (2%)
Transitional Epithelium, Papilloma				2 (4%)
<b>SYSTEMIC LESIONS</b>				
Multiple Organs	*(50)	*(50)	*(50)	*(50)
Histiocytic Sarcoma				1 (2%)

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**Species/Strain:** RATS/F 344

**Pathologist:** PIERCE, J. - RENNE, R.

**Lab:** BNW

<b>FISCHER 344 RATS MALE</b>	<b>CONTROL</b>	<b>250 PPM</b>	<b>500 PPM</b>	<b>1000 PPM</b>
Leukemia Mononuclear	26 (52%)	32 (64%)	31 (62%)	28 (56%)
Lymphoma Malignant				1 (2%)
Mesothelioma Malignant	3 (6%)	2 (4%)	3 (6%)	1 (2%)

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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FISCHER 344 RATS MALE	CONTROL	250 PPM	500 PPM	1000 PPM
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**Tumor Summary for Males**

Total Animals with Primary Neoplasms (b)	50	50	50	50
Total Primary Neoplasms	135	163	166	176
Total Animals with Benign Neoplasms	48	48	47	50
Total Benign Neoplasms	95	117	117	125
Total Animals with Malignant Neoplasms	36	37	38	39
Total Malignant Neoplasms	40	46	49	51
Total Animals with Metastatic Neoplasms	4	4	3	4
Total Metastatic Neoplasms	5	6	8	16
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



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Lab: BNW

FISCHER 344 RATS FEMALE	CONTROL	250 PPM	500 PPM	1000 PPM
<b>Disposition Summary</b>				
Animals Initially in Study	50	50	50	50
Early Deaths				
Moribund Sacrifice	23	18	17	15
Natural Death	6	5	2	3
Survivors				
Terminal Sacrifice	21	27	31	32
Animals Examined Microscopically	50	50	50	50
<b>ALIMENTARY SYSTEM</b>				
Intestine Large, Cecum	(46)	(45)	(50)	(49)
Intestine Large, Colon	(48)	(46)	(50)	(50)
Leiomyosarcoma			1 (2%)	
Intestine Large, Rectum	(48)	(46)	(50)	(50)
Adenoma				1 (2%)
Sarcoma Stromal, Metastatic, Uterus	1 (2%)			
Liver	(50)	(50)	(50)	(50)
Cholangiocarcinoma				1 (2%)
Fibrous Histiocytoma, Metastatic, Skin	1 (2%)			
Mesentery	(18)	(18)	(17)	(9)
Rhabdomyosarcoma				1 (11%)
Oral Mucosa	(0)	(0)	(1)	(1)
Squamous Cell Carcinoma				1 (100%)
Pharyngeal, Squamous Cell Carcinoma			1 (100%)	
Pancreas	(50)	(49)	(50)	(50)
Rhabdomyosarcoma				1 (2%)
Stomach, Forestomach	(50)	(50)	(50)	(50)
Squamous Cell Papilloma			1 (2%)	1 (2%)
Stomach, Glandular	(50)	(49)	(50)	(50)
Tongue	(1)	(2)	(2)	(3)
Tooth	(0)	(2)	(0)	(0)
<b>CARDIOVASCULAR SYSTEM</b>				
Heart	(50)	(50)	(50)	(50)

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FISCHER 344 RATS FEMALE	CONTROL	250 PPM	500 PPM	1000 PPM
Osteosarcoma, Metastatic, Bone			1 (2%)	
Pericardium, Alveolar/Bronchiolar			1 (2%)	
Carcinoma, Metastatic, Lung				
<b>ENDOCRINE SYSTEM</b>				
Adrenal Cortex	(50)	(49)	(50)	(50)
Adenoma				1 (2%)
Osteosarcoma, Metastatic, Bone			1 (2%)	
Adrenal Medulla	(50)	(49)	(50)	(50)
Pheochromocytoma Benign	1 (2%)		1 (2%)	
Pheochromocytoma Complex	1 (2%)			
Pheochromocytoma Malignant	1 (2%)	1 (2%)	1 (2%)	
Islets, Pancreatic	(50)	(49)	(50)	(50)
Adenoma	1 (2%)			1 (2%)
Carcinoma	1 (2%)		1 (2%)	
Parathyroid Gland	(49)	(45)	(48)	(47)
Pituitary Gland	(50)	(50)	(50)	(49)
Adenoma	35 (70%)	33 (66%)	28 (56%)	25 (51%)
Carcinoma	1 (2%)	1 (2%)		1 (2%)
Thyroid Gland	(50)	(49)	(50)	(50)
Fibrous Histiocytoma, Metastatic, Skin	1 (2%)			
C-cell, Adenoma	3 (6%)	4 (8%)	2 (4%)	2 (4%)
C-cell, Carcinoma			1 (2%)	2 (4%)
Follicular Cell, Adenoma		2 (4%)		2 (4%)
Follicular Cell, Carcinoma			1 (2%)	
<b>GENERAL BODY SYSTEM</b>				
Peritoneum	(0)	(0)	(1)	(0)
Carcinoma, Metastatic, Ovary			1 (100%)	
<b>GENITAL SYSTEM</b>				
Clitoral Gland	(50)	(49)	(50)	(50)
Adenoma	1 (2%)			
Carcinoma	1 (2%)	2 (4%)		1 (2%)
Carcinoma, Multiple	1 (2%)			

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FISCHER 344 RATS FEMALE	CONTROL	250 PPM	500 PPM	1000 PPM
Ovary	(50)	(49)	(50)	(50)
Cystadenocarcinoma			1 (2%)	
Granulosa Cell Tumor Benign		1 (2%)		
Leiomyosarcoma, Metastatic, Uterus				1 (2%)
Osteosarcoma, Metastatic, Bone			1 (2%)	
Uterus	(50)	(49)	(50)	(50)
Carcinoma		1 (2%)		
Leiomyosarcoma				1 (2%)
Polyp Stromal	13 (26%)	7 (14%)	8 (16%)	7 (14%)
Polyp Stromal, Multiple		1 (2%)		
Sarcoma Stromal	1 (2%)		1 (2%)	1 (2%)
Cervix, Polyp Stromal		1 (2%)		
Vagina	(2)	(0)	(0)	(0)
Polyp	1 (50%)			
Epithelium, Polyp	1 (50%)			
<b>HEMATOPOIETIC SYSTEM</b>				
Lymph Node	(3)	(3)	(5)	(2)
Deep Cervical, Squamous Cell Carcinoma, Metastatic, Skin			1 (20%)	
Lymph Node, Bronchial	(7)	(9)	(8)	(5)
Lymph Node, Mandibular	(4)	(1)	(1)	(4)
Carcinoma, Metastatic, Zymbal'S Gland				1 (25%)
Lymph Node, Mediastinal	(30)	(28)	(26)	(31)
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung			1 (4%)	
Carcinoma, Metastatic, Thyroid Gland			1 (4%)	2 (6%)
Squamous Cell Carcinoma, Metastatic, Skin			1 (4%)	
Lymph Node, Mesenteric	(48)	(49)	(49)	(50)
Carcinoma, Metastatic, Ovary			1 (2%)	
Spleen	(50)	(50)	(50)	(50)
Fibrous Histiocytoma, Metastatic, Skin	1 (2%)			
Rhabdomyosarcoma				1 (2%)
Thymus	(48)	(46)	(50)	(50)
Thymoma Benign				1 (2%)
<b>INTEGUMENTARY SYSTEM</b>				

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Lab: BNW

FISCHER 344 RATS FEMALE	CONTROL	250 PPM	500 PPM	1000 PPM
Mammary Gland	(50)	(50)	(50)	(50)
Adenoma		1 (2%)		1 (2%)
Carcinoma	8 (16%)	8 (16%)	1 (2%)	5 (10%)
Carcinoma, Multiple	2 (4%)	1 (2%)	1 (2%)	
Fibroadenoma	17 (34%)	11 (22%)	24 (48%)	21 (42%)
Fibroadenoma, Multiple	7 (14%)	11 (22%)	8 (16%)	8 (16%)
Skin	(50)	(50)	(50)	(50)
Basal Cell Carcinoma			1 (2%)	
Fibrous Histiocytoma	1 (2%)			
Keratoacanthoma			2 (4%)	1 (2%)
Squamous Cell Carcinoma			1 (2%)	
Squamous Cell Papilloma				1 (2%)
Subcutaneous Tissue, Fibroma		2 (4%)		1 (2%)
Subcutaneous Tissue, Hemangiopericytoma			1 (2%)	
Subcutaneous Tissue, Schwannoma Benign		1 (2%)		
<b>MUSCULOSKELETAL SYSTEM</b>				
Bone	(50)	(50)	(50)	(50)
Cranium, Osteosarcoma		1 (2%)		
Vertebra, Osteosarcoma	1 (2%)		1 (2%)	
Skeletal Muscle	(1)	(0)	(1)	(1)
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung			1 (100%)	
Fibrous Histiocytoma, Metastatic, Skin Rhabdomyosarcoma	1 (100%)			1 (100%)
<b>NERVOUS SYSTEM</b>				
Brain	(50)	(49)	(50)	(50)
Astrocytoma Malignant				1 (2%)
Carcinoma, Metastatic, Pituitary Gland	1 (2%)	2 (4%)		1 (2%)
Glioma Malignant	1 (2%)			
Granular Cell Tumor Benign			1 (2%)	
Meningioma Benign		1 (2%)		
Oligodendroglioma Malignant	1 (2%)			
Spinal Cord	(0)	(1)	(1)	(1)

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FISCHER 344 RATS FEMALE	CONTROL	250 PPM	500 PPM	1000 PPM
<b>RESPIRATORY SYSTEM</b>				
Larynx	(50)	(49)	(50)	(50)
Lung	(50)	(50)	(50)	(50)
Alveolar/Bronchiolar Adenoma				1 (2%)
Alveolar/Bronchiolar Carcinoma	1 (2%)		1 (2%)	
Carcinoma, Metastatic, Ovary			1 (2%)	
Carcinoma, Metastatic, Uterus		1 (2%)		
Fibrous Histiocytoma, Metastatic, Skin	1 (2%)			
Osteosarcoma, Metastatic, Bone	1 (2%)		1 (2%)	
Squamous Cell Carcinoma, Metastatic, Skin			1 (2%)	
Mediastinum, Carcinoma, Metastatic, Uterus		1 (2%)		
Nose	(50)	(48)	(50)	(50)
Nasopharyngeal Duct, Carcinoma, Metastatic, Oral Mucosa				1 (2%)
Respiratory Epithelium, Adenoma		5 (10%)	4 (8%)	3 (6%)
Turbinate, Chondroma	1 (2%)			
Pleura	(15)	(16)	(16)	(20)
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung			1 (6%)	
Carcinoma, Metastatic, Ovary			1 (6%)	
Trachea	(50)	(49)	(50)	(50)
<b>SPECIAL SENSES SYSTEM</b>				
Eye	(50)	(49)	(50)	(50)
Harderian Gland	(50)	(49)	(50)	(50)
Zymbal's Gland	(1)	(0)	(1)	(1)
Carcinoma	1 (100%)		1 (100%)	1 (100%)
<b>URINARY SYSTEM</b>				
Kidney	(50)	(50)	(50)	(50)
Urinary Bladder	(50)	(49)	(50)	(50)
Leiomyosarcoma	1 (2%)			

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

Test Type: CHRONIC

CUMENE

Time Report Reqsted: 09:48:09

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 98-82-8

First Dose M/F: 06/04/01 / 06/04/01

Species/Strain: RATS/F 344

Pathologist: PIERCE, J. - RENNE, R.

Lab: BNW

FISCHER 344 RATS FEMALE	CONTROL	250 PPM	500 PPM	1000 PPM
SYSTEMIC LESIONS				
Multiple Organs	*(50)	*(50)	*(50)	*(50)
Histiocytic Sarcoma		1 (2%)		
Leukemia Mononuclear	12 (24%)	25 (50%)	23 (46%)	13 (26%)
Lymphoma Malignant				1 (2%)

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

\* Number of animals with any tissue examined microscopically

Test Type: CHRONIC

CUMENE

Time Report Requested: 09:48:09

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 98-82-8

First Dose M/F: 06/04/01 / 06/04/01

Species/Strain: RATS/F 344

Pathologist: PIERCE, J. - RENNE, R.

Lab: BNW

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FISCHER 344 RATS FEMALE	CONTROL	250 PPM	500 PPM	1000 PPM
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**Tumor Summary for Females**

Total Animals with Primary Neoplasms (b)	50	48	48	47
Total Primary Neoplasms	117	122	118	111
Total Animals with Benign Neoplasms	44	42	43	43
Total Benign Neoplasms	81	81	80	78
Total Animals with Malignant Neoplasms	24	32	30	25
Total Malignant Neoplasms	36	41	38	33
Total Animals with Metastatic Neoplasms	4	3	5	6
Total Metastatic Neoplasms	8	4	16	6
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