

Experiment Number: 20303 - 05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Vinylidene chloride
CAS Number: 75-35-4

Date Report Requested: 12/12/2011
Time Report Requested: 09:47:50
First Dose M/F: 06/06/05 / 06/06/05
Lab: BNW

F1_R2

NTP Study Number: C20303
Lock Date: 05/09/2008
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 2.5.0.0_004
PWG Approval Date: NONE

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		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
FISCHER 344 RATS MALE	DAY ON TEST	6	6	7	7	5	7	7	7	7	7	7	6	7	7	6	6	7	7	3	7	7	6	7	6	6	6	
		7	6	2	3	1	1	2	3	3	0	3	8	1	3	6	2	3	3	6	3	2	7	3	7	7	5	
Control	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	males (cont...)	

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+		
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	A	+	+	+		
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	A	+	+	+		
Intestine Small, Duodenum Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	A	+	+	+		
Intestine Small, Ileum Leukemia Mononuclear Mesothelioma Malignant	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	A	+	+	+		
Intestine Small, Jejunum Mesothelioma Malignant	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	A	+	+	+		
Liver Hepatocellular Adenoma Leukemia Mononuclear	+	+	+	+	+	X	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
						X		X	X							X											
Mesentery Mesothelioma Malignant				+								+						+	+		+				+		
Pancreas Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

* .. Total animals with tissue examined microscopically; Total animals with tumor
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		DAY ON TEST																									males (cont...)			
		0 6 7 7	0 6 2 1	0 7 3 9	0 7 1 0	0 5 1 4	0 7 2 2	0 7 3 9	0 7 3 0	0 7 3 1	0 7 3 5	0 7 3 0	0 7 3 1	0 6 8 0	0 7 1 3	0 7 3 6	0 6 2 0	0 6 7 0	0 7 3 3	0 3 6 3	0 7 6 1	0 7 2 9	0 6 7 9	0 7 3 0	0 6 7 6	0 6 7 5				
FISCHER 344 RATS MALE																														
Control		ANIMAL ID																												
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2		
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5				
Mesothelioma Malignant																														
Salivary Glands		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Stomach, Forestomach		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Mesothelioma Malignant																														
Stomach, Glandular		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Tooth																									+					
CARDIOVASCULAR SYSTEM																														
Blood Vessel																		+												
Heart		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Leukemia Mononuclear																														
Pericardium, Osteosarcoma, Metastatic, Bone																					X									
ENDOCRINE SYSTEM																														
Adrenal Cortex		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Adenoma		X														X														
Leukemia Mononuclear								X																						
Mesothelioma Malignant																														
Adrenal Medulla		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Leukemia Mononuclear								X																						
Pheochromocytoma Benign														X																
Pheochromocytoma Malignant														X	X															

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FISCHER 344 RATS MALE Control	DAY ON TEST																									males (cont...)
	0677	06627	06723	06731	06751	06772	06773	06773	06773	06773	06773	06773	06773	06773	06773	06773	06773	06773	06773	06773	06773	06773	06773	06773	06773	
ANIMAL ID	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	
Islets, Pancreatic Adenoma Carcinoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pituitary Gland Leukemia Mononuclear Pars Distalis, Adenoma	X	X	X	X			X	X		X	X	X		X	X	X				X	X	X				
Thyroid Gland C-cell, Adenoma C-cell, Carcinoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
GENERAL BODY SYSTEM	NONE																									
GENITAL SYSTEM																										
Epididymis Mesothelioma Malignant	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Preputial Gland Adenoma Carcinoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Prostate Mesothelioma Malignant	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	A	+	+	

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		DAY ON TEST																									males (cont...)
FISCHER 344 RATS MALE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		6	6	7	7	5	7	7	7	7	7	6	7	7	6	6	7	7	3	7	7	6	7	6	6	6	
		7	6	2	3	1	1	2	3	3	0	3	8	1	3	6	2	3	3	6	3	2	7	3	7	5	
		7	1	9	0	4	2	9	0	1	5	0	6	9	0	9	0	0	7	1	9	9	0	6	7		
		ANIMAL ID																									
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		1	2	3	4	5	6	7	8	9	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	

Thymus + M + + + + + + + + + + M M + M + + + + + + + +
 Leukemia Mononuclear

INTEGUMENTARY SYSTEM

Mammary Gland + + + + M + + + + + M + + + M M M M + + M M + +
 Fibroadenoma
 Skin +
 Basal Cell Adenoma
 Basal Cell Carcinoma X
 Keratoacanthoma X
 Squamous Cell Papilloma X
 Trichoepithelioma X
 Subcutaneous Tissue, Fibroma X

MUSCULOSKELETAL SYSTEM

Bone +
 Osteoma X
 Osteosarcoma +
 Skeletal Muscle +
 Lipoma X
 Mesothelioma Malignant
 Osteosarcoma, Metastatic, Bone X

NERVOUS SYSTEM

Brain +

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FISCHER 344 RATS MALE		DAY ON TEST		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		ANIMAL ID		6	6	7	7	5	7	7	7	7	7	6	7	7	6	6	7	7	3	7	7	6	7	6	7	6	6
				7	6	2	3	1	1	2	3	3	0	3	8	1	3	6	2	3	3	6	3	6	3	2	7	3	7
Control		7	1	9	0	4	2	9	0	1	5	0	6	9	0	9	0	0	0	0	0	7	1	9	0	0	6	6	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	2	3	4	5		

males
(cont...)

Mesothelioma Malignant

Urinary Bladder

Mesothelioma Malignant

SYSTEMIC LESIONS

Multiple Organ

Leukemia Mononuclear

Mesothelioma Malignant

+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
						X		X	X							X										X							

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DAY ON TEST		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FISCHER 344 RATS MALE	Control	4	5	7	6	7	7	5	7	7	5	6	6	7	7	7	7	6	6	7	6	7	5
	ANIMAL ID	9	5	3	3	2	3	9	2	2	6	9	1	3	3	2	2	4	5	3	1	7	2
		2	1	0	5	9	0	1	9	9	4	8	4	0	0	9	9	9	5	4	0	7	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		2	2	2	2	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	5
		6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7
																						* TOTALS	

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Cecum Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	48 1
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	47
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	I	A	+	+	+	+	+	+	+	+	+	46
Intestine Small, Duodenum Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	47 1
Intestine Small, Ileum Leukemia Mononuclear Mesothelioma Malignant	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	47 2 1
Intestine Small, Jejunum Mesothelioma Malignant	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	47 1
Liver Hepatocellular Adenoma Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 1 16
Mesentery Mesothelioma Malignant				+	+	+				+		+			+	+		+	+			+	16 1
Pancreas Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 5

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FISCHER 344 RATS MALE Control	DAY ON TEST																								* TOTALS
	04	05	07	06	07	07	05	07	07	05	06	06	07	07	07	07	07	06	06	07	07	06	07	07	
ANIMAL ID	09	05	03	03	02	03	09	02	02	06	09	01	03	03	02	02	04	05	04	00	00	00	00	00	00
	2	1	0	5	9	0	1	9	9	4	8	4	0	0	9	9	5	4	0	0	0	0	0	0	
	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
	22	22	22	22	33	33	33	33	33	33	33	33	33	33	44	44	44	44	44	44	44	44	44	55	
	67	78	89	90	01	02	03	04	05	06	07	08	09	00	01	02	03	04	05	06	07	08	09	00	
Mesothelioma Malignant																							X	1	
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Mesothelioma Malignant																							X	1	
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	49	
Tooth																								1	
CARDIOVASCULAR SYSTEM																									
Blood Vessel																								1	
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear		X					X														X			3	
Pericardium, Osteosarcoma, Metastatic, Bone																								1	
ENDOCRINE SYSTEM																									
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	49	
Adenoma							X					X												4	
Leukemia Mononuclear		X			X		X							X				X		X	X			8	
Mesothelioma Malignant																							X	1	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	49	
Leukemia Mononuclear		X			X									X				X		X	X			7	
Pheochromocytoma Benign															X			X		X			X	5	
Pheochromocytoma Malignant																								2	

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	04	05	07	06	07	07	05	07	07	05	06	06	07	07	07	07	07	06	06	07	06	07	07	05	
ANIMAL ID	09	05	03	03	02	03	09	02	02	06	09	01	03	03	02	02	04	05	03	01	07	02	02	06	
	2	1	0	5	9	0	1	9	9	4	8	4	0	0	0	0	0	0	0	0	0	0	0	0	
Islets, Pancreatic Adenoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50
Carcinoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Parathyroid Gland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50
Pituitary Gland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50
Leukemia Mononuclear	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Pars Distalis, Adenoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34
Thyroid Gland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50
C-cell, Adenoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
C-cell, Carcinoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
GENERAL BODY SYSTEM																									
NONE																									
GENITAL SYSTEM																									
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Mesothelioma Malignant																									1
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma																									2
Carcinoma	X																								2
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Mesothelioma Malignant																									1
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS MALE Control	DAY ON TEST																								* TOTALS	
	04	05	07	06	07	07	05	07	07	05	06	06	07	07	07	07	07	06	06	07	06	07	07	05		
ANIMAL ID	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00		
	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00		
	02	02	02	02	03	03	03	03	03	03	03	03	03	03	03	04	04	04	04	04	04	04	04	05		
	06	07	08	09	00	01	02	03	04	05	06	07	08	09	00	01	02	03	04	05	06	07	08	09		
Mesothelioma Malignant																								X	1	
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Mesothelioma Malignant																								X	1	
Bilateral, Interstitial Cell, Adenoma			X			X		X		X					X						X	X			20	
Interstitial Cell, Adenoma		X				X			X			X	X	X				X	X					X	12	
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Leukemia Mononuclear		X			X		X		X	X											X	X			9	
Lymph Node							+			+	+									+					6	
Pancreatic, Leukemia Mononuclear							X			X	X									X					5	
Lymph Node, Bronchial	M	+	M	M	+	M	M	M	M	+	M	+	M	M	M	M	M	M	M	M	M	M	M	M	8	
Leukemia Mononuclear		X			X					X															4	
Osteosarcoma, Metastatic, Bone																									1	
Lymph Node, Mandibular	M	+	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	1	
Lymph Node, Mediastinal	M	M	+	M	+	M	+	M	+	M	+	M	M	M	+	+	+	M	+	+	+	+	+	+	28	
Leukemia Mononuclear					X		X			X					X					X	X	X			8	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear		X			X	X	X	X		X	X				X			X		X	X	X			16	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear		X			X	X	X	X		X	X				X			X		X	X	X			17	
Mesothelioma Malignant																								X	1	

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS MALE	DAY ON TEST																								* TOTALS
	04	05	07	06	07	07	05	07	07	05	06	06	07	07	07	07	07	06	06	07	06	07	07	05	
Control	09	05	03	03	02	03	09	02	02	06	09	01	03	03	02	02	02	04	05	03	01	07	02	02	06
	2	1	0	5	9	0	1	9	9	4	8	4	0	0	9	9	9	5	4	0	7	0	9	2	2
	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
	22	22	22	22	33	33	33	33	33	33	33	33	33	33	44	44	44	44	44	44	44	44	44	44	55
	66	77	88	99	00	01	02	03	04	05	06	07	08	09	00	01	02	03	04	05	06	07	08	09	00

Thymus	+	+	M	+	+	+	+	+	+	I	+	+	+	M	+	+	+	+	+	+	+	M	+	+	+	42
Leukemia Mononuclear				X		X				X				X							X					5

INTEGUMENTARY SYSTEM

Mammary Gland	+	M	M	+	+	+	+	+	M	+	M	M	+	+	+	+	+	M	+	+	+	+	+	+	36
Fibroadenoma																X									1
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Basal Cell Adenoma																							X		1
Basal Cell Carcinoma																									1
Keratoacanthoma																		X							3
Squamous Cell Papilloma					X									X											3
Trichoepithelioma																									1
Subcutaneous Tissue, Fibroma																									1

MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Osteoma																									1
Osteosarcoma																									1
Skeletal Muscle										+													+		3
Lipoma										X															1
Mesothelioma Malignant																							X		1
Osteosarcoma, Metastatic, Bone																									1

NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
-------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	----

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS MALE Control	DAY ON TEST																								* TOTALS		
	04 92	05 51	07 30	06 35	07 29	07 30	05 91	07 29	07 29	05 64	06 98	06 64	07 74	07 74	07 29	07 29	07 29	06 45	06 54	07 30	06 71	07 29	07 29	05 62			
ANIMAL ID	00 00 26	00 00 27	00 00 28	00 00 29	00 00 30	00 00 31	00 00 32	00 00 33	00 00 34	00 00 35	00 00 36	00 00 37	00 00 38	00 00 39	00 00 40	00 00 41	00 00 42	00 00 43	00 00 44	00 00 45	00 00 46	00 00 47	00 00 48	00 00 49	00 00 50		
Leukemia Mononuclear		X																								2	
Peripheral Nerve																										2	
Spinal Cord																										2	
RESPIRATORY SYSTEM																											
Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Alveolar/Bronchiolar Adenoma													X													3	
Leukemia Mononuclear		X			X	X	X	X		X	X				X			X		X	X	X				14	
Osteosarcoma, Metastatic, Bone																										1	
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49		
Leukemia Mononuclear																						X			1		
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
SPECIAL SENSES SYSTEM																											
Eye	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	48		
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
URINARY SYSTEM																											
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Leukemia Mononuclear		X				X				X	X				X			X		X	X	X			11		
Mesenchymal Tumor Malignant																			X						1		

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 12/12/2011

Time Report Requested: 09:47:50

First Dose M/F: 06/06/05 / 06/06/05

Lab: BNW

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	4	5	7	6	7	7	5	7	7	5	6	6	7	7	7	7	7	6	6	7	7	6	7	7	5		
FISCHER 344 RATS MALE	9	5	3	3	2	3	9	2	2	6	9	1	3	3	2	2	2	4	5	3	1	7	2	2	6		
	2	1	0	5	9	0	1	9	9	4	8	4	0	0	9	9	9	5	4	0	7	0	9	9	2		
	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	5	
6		7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0		
																										* TOTALS	
Mesothelioma Malignant																									X	1	
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+		49	
Mesothelioma Malignant																									X	1	
SYSTEMIC LESIONS																											
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		50
Leukemia Mononuclear		X			X	X	X	X		X	X					X			X		X	X	X				17
Mesothelioma Malignant																									X	1	

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

		DAY ON TEST																								males (cont...)						
		06 31 19	06 11 09	06 11 09	06 12 09	06 13 09	06 14 09	06 15 09	06 16 09	06 17 09	06 17 09	06 17 09	06 18 09	06 18 09	06 18 09	06 19 09	06 19 09	06 19 09	06 19 09	06 20 09	06 20 09	06 21 09	06 21 09	06 22 09	06 22 09		06 23 09	06 23 09	06 24 09	06 24 09	06 25 09	
FISCHER 344 RATS MALE	25 ppm	00 20 00 11	00 00 00 22	00 00 00 22	00 00 00 22	00 00 00 22	00 00 00 22	00 00 00 22	00 00 00 22	00 00 00 22	00 00 00 22	00 00 00 22	00 00 00 22	00 00 00 22	00 00 00 22	00 00 00 22	00 00 00 22	00 00 00 22	00 00 00 22	00 00 00 22	00 00 00 22	00 00 00 22	00 00 00 22	00 00 00 22	00 00 00 22	00 00 00 22	00 00 00 22	00 00 00 22	00 00 00 22			
	ANIMAL ID	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9		

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	+	+	+	A	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Colon	+	+	+	+	A	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	
Intestine Large, Rectum	+	+	+	+	A	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Duodenum	+	+	+	+	A	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Ileum Leukemia Mononuclear	+	+	+	+	A	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	X
Intestine Small, Jejunum Sarcoma Stromal	+	+	+	+	A	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	
Liver Carcinoma, Metastatic, Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	X
Hepatocellular Adenoma																																							X	
Histiocytic Sarcoma													X																											
Leukemia Mononuclear		X	X		X										X			X	X						X			X		X		X		X		X		X		
Mesentery Carcinoma, Metastatic, Urinary Bladder						+	+											+	+		+						+												+	
Mesothelioma Malignant						X																					X													
Pancreas Carcinoma, Metastatic, Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	X
Leukemia Mononuclear		X			X																																			

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS MALE 25 ppm	DAY ON TEST																									males (cont...)	
	0631	0661	0661	0672	0663	0654	0637	0677	0677	0677	0666	0665	0677	0677	0677	0677	0677	0657	0672	0677	0655	0666	0673	0667	0673		
ANIMAL ID	0020	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
Mesothelioma Malignant																		X						X			
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Stomach, Forestomach Mesothelioma Malignant	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Stomach, Glandular Mesothelioma Malignant	+	+	+	+	+	X	+	+	+	+	+	+	+	+	+	+	+	X	+	+	+	+	+	+	X		
Tongue Squamous Cell Papilloma																											
CARDIOVASCULAR SYSTEM																											
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Histiocytic Sarcoma													X														
Leukemia Mononuclear					X																			X			
Pericardium, Mesothelioma Malignant																			X								
ENDOCRINE SYSTEM																											
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Adenoma																											
Leukemia Mononuclear		X			X																	X		X			
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Leukemia Mononuclear					X																	X		X			
Pheochromocytoma Benign				X											X						X		X	X	X		
Pheochromocytoma Malignant																											
Bilateral, Pheochromocytoma Benign														X													

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS MALE 25 ppm	DAY ON TEST																									ANIMAL ID	males (cont...)
	0631	0661	0671	0676	0675	0673	0677	0677	0677	0666	0666	0655	0677	0677	0677	0677	0677	0655	0672	0672	0675	0666	0667	0667			
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	000000000000000000000000		
	3	1	1	2	3	4	5	2	2	3	1	6	4	3	2	3	3	1	3	9	2	2	6	5	222222222222222222222222		
	1	9	1	9	0	3	5	9	9	0	9	8	8	0	9	0	1	1	0	9	9	9	9	3	000000000000000000000000		

Islets, Pancreatic Adenoma Carcinoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	X	X		
Parathyroid Gland	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+				
Pituitary Gland Leukemia Mononuclear Pars Distalis, Adenoma	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	X	X	X	X
Thyroid Gland C-cell, Adenoma C-cell, Carcinoma	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	X	X	X	X

GENERAL BODY SYSTEM

Peritoneum Mesothelioma Malignant																										
--------------------------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

GENITAL SYSTEM

Epididymis Mesothelioma Malignant	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	X	X	X	X
Preputial Gland Carcinoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+				
Prostate Carcinoma, Metastatic, Urinary Bladder Mesothelioma Malignant	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	X	X		

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 12/12/2011

Time Report Requested: 09:47:50

First Dose M/F: 06/06/05 / 06/06/05

Lab: BNW

FISCHER 344 RATS MALE	DAY ON TEST																									males (cont...)
	0631	0661	0671	0681	0691	0701	0711	0721	0731	0741	0751	0761	0771	0781	0791	0801	0811	0821	0831	0841	0851	0861	0871	0881	0891	
25 ppm	ANIMAL ID																									
	0020	0022	0023	0024	0025	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042	0043	0044	0045	
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Carcinoma, Metastatic, Urinary Bladder									X																	
Mesothelioma Malignant																						X				
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Mesothelioma Malignant															X		X				X	X		X		
Bilateral, Interstitial Cell, Adenoma								X	X	X					X					X	X	X		X		
Interstitial Cell, Adenoma	X	X										X				X									X	
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Histiocytic Sarcoma																									X	
Leukemia Mononuclear		X	X		X										X							X		X		
Lymph Node																									+	
Pancreatic, Leukemia Mononuclear																									X	
Renal, Leukemia Mononuclear		X	X																							
Lymph Node, Bronchial	M	+	M	+	+	M	M	M	M	M	M	M	M	M	M	M	M	+	M	+	M	+	+	M		
Carcinoma, Metastatic, Thyroid Gland																								X		
Histiocytic Sarcoma																									X	
Leukemia Mononuclear		X			X																	X		X		
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
Leukemia Mononuclear																										
Lymph Node, Mediastinal	M	M	+	M	M	M	+	+	+	M	+	M	+	+	M	M	M	M	M	+	+	M	M	M	+	
Leukemia Mononuclear			X											X							X					

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

Experiment Number: 20303 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 12/12/2011

Time Report Requested: 09:47:50

First Dose M/F: 06/06/05 / 06/06/05

Lab: BNW

FISCHER 344 RATS MALE 25 ppm	DAY ON TEST																								males (cont...)																																																																																																			
	0 6 3 1	0 6 1 9	0 6 1 1	0 7 2 9	0 6 3 0	0 5 4 3	0 3 5 5	0 7 2 9	0 7 2 9	0 7 3 0	0 6 6 9	0 5 4 8	0 7 3 0	0 7 2 9	0 7 3 1	0 7 3 3	0 7 3 3	0 7 3 1	0 5 9 9	0 7 2 9	0 7 2 9	0 5 6 3	0 6 5 6	0 7 3 0																																																																																																				
	ANIMAL ID	0 0 2 0 1	0 0 0 0 2	0 0 0 0 3	0 0 0 0 4	0 0 0 0 5	0 0 0 0 6	0 0 0 0 7	0 0 0 0 8	0 0 0 0 9	0 0 0 0 0	0 0 0 0 1	0 0 0 0 2	0 0 0 0 3	0 0 0 0 4	0 0 0 0 5	0 0 0 0 6	0 0 0 0 7	0 0 0 0 8	0 0 0 0 9	0 0 0 0 0	0 0 0 0 1	0 0 0 0 2	0 0 0 0 3		0 0 0 0 4	0 0 0 0 5																																																																																																	
Lymph Node, Mesenteric	+																																																																																																																											
Histiocytic Sarcoma																									X																																																																																																			
Leukemia Mononuclear			X	X			X																							X	X	X			X	X	X					X	X	X																																																																																
Spleen	+																																																																																																																											
Histiocytic Sarcoma																																													X																																																																															
Leukemia Mononuclear			X	X			X																							X	X	X			X	X	X					X	X	X																																																																																
Mesothelioma Malignant																									X																							X																							X			X																							X			X																							X	
Thymus	M	+																																																																																																																										
Leukemia Mononuclear				X																							X																							X	X	X			X	X	X					X	X																																																													
INTEGUMENTARY SYSTEM																																																																																																																												
Mammary Gland	M	M	M	M	M	M	+	+	+	M	+	+	M	+	+	M	+	+	+	+	+	+	M	+	+																																																																																																			
Fibroadenoma																																													X																																																																															
Skin	+																																																																																																																											
Keratoacanthoma																																																																																																																												
Squamous Cell Papilloma																																													X																																																																															
Subcutaneous Tissue, Fibroma																																																																																																																												
Subcutaneous Tissue, Sarcoma																																		X	X																																																																																									
MUSCULOSKELETAL SYSTEM																																																																																																																												
Bone	+																																																																																																																											
Skeletal Muscle																																																																																																																												
Carcinoma, Metastatic, Urinary Bladder																																														X																																																																														
Mesothelioma Malignant																																														X																																																																														

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
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Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

		DAY ON TEST																				males (cont...)
FISCHER 344 RATS MALE		0631	0661	0671	0681	0691	0701	0711	0721	0731	0741	0751	0761	0771	0781	0791	0801	0811	0821	0831	0841	
25 ppm	ANIMAL ID	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021
		0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025	0026	0027	0028	0029	0030	0031

NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma												X											
Leukemia Mononuclear					X																		

RESPIRATORY SYSTEM

Larynx	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma, Metastatic, Thyroid Gland																						X	
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Alveolar/Bronchiolar Adenoma																							
Alveolar/Bronchiolar Carcinoma											X												
Carcinoma, Metastatic, Thyroid Gland																						X	
Carcinoma, Metastatic, Urinary Bladder							X																
Histiocytic Sarcoma												X											X
Leukemia Mononuclear		X	X		X								X						X		X		
Mesothelioma Malignant																	X						
Squamous Cell Carcinoma																							
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear					X																		
Pleura																						+	
Mesothelioma Malignant																						X	
Trachea	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

SPECIAL SENSES SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
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 I .. Insufficient tissue

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 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

		DAY ON TEST																									males (cont...)
FISCHER 344 RATS MALE		0631	0661	0671	0681	0691	0701	0711	0721	0731	0741	0751	0761	0771	0781	0791	0801	0811	0821	0831	0841	0851	0861	0871	0881	0891	
25 ppm		ANIMAL ID																									
		0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025	
Eye		+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Harderian Gland		+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Zymbal's Gland Carcinoma																											
URINARY SYSTEM																											
Kidney		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Histiocytic Sarcoma												X															
Leukemia Mononuclear			X	X		X								X		X							X		X	X	
Renal Tubule, Carcinoma																									X		
Urinary Bladder		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Mesothelioma Malignant							X															X					
Transitional Epithelium, Carcinoma								X														X					
SYSTEMIC LESIONS																											
Multiple Organ		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Histiocytic Sarcoma												X														X	
Leukemia Mononuclear			X	X		X								X		X	X					X		X		X	
Mesothelioma Malignant						X				X			X		X	X	X				X		X	X			

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 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS MALE 25 ppm		DAY ON TEST																				* TOTALS				
		0729	0731	0739	0772	0777	0779	0780	0782	0783	0784	0785	0786	0787	0788	0789	0790	0791	0792	0793	0794		0795	0796		
ANIMAL ID		002226	000027	000008	000009	000010	000021	000022	000023	000024	000025	000026	000027	000028	000029	000030	000031	000032	000033	000034	000035	000036	000037	000038	000039	000040
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	49	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	A	+	+	44
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	45
Intestine Small, Ileum Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	45 1
Intestine Small, Jejunum Sarcoma Stromal	+	+	+	+	+	+	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	A	+	+	43 1
Liver Carcinoma, Metastatic, Urinary Bladder Hepatocellular Adenoma Histiocytic Sarcoma Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 1 1 1 17
Mesentery Carcinoma, Metastatic, Urinary Bladder Mesothelioma Malignant	+	+		+			+	+	+	+					+								+		15 1 4
Pancreas Carcinoma, Metastatic, Urinary Bladder Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 1 3

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS MALE 25 ppm	DAY ON TEST																								* TOTALS					
	0729	0731	0739	0722	0729	0779	0779	0779	0779	0745	0755	0772	0772	0766	0733	0733	0793	0733	0766	0766	0776	0744	0766	0777		0775	0777	0757	0777	
ANIMAL ID	0022	0022	0022	0022	0033	0033	0033	0033	0033	0033	0033	0033	0033	0033	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044		
Mesothelioma Malignant																													3	
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Mesothelioma Malignant																													3	
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Mesothelioma Malignant																													4	
Tongue																													1	
Squamous Cell Papilloma																													1	
CARDIOVASCULAR SYSTEM																														
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Histiocytic Sarcoma																													1	
Leukemia Mononuclear																											X	X	4	
Pericardium, Mesothelioma Malignant																													1	
ENDOCRINE SYSTEM																														
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Adenoma	X			X				X	X																				4	
Leukemia Mononuclear																											X	X	X	7
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear																											X	X	6	
Pheochromocytoma Benign									X	X																		X	9	
Pheochromocytoma Malignant																											X		1	
Bilateral, Pheochromocytoma Benign									X																				2	

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 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS MALE 25 ppm	DAY ON TEST																								* TOTALS		
	0729	0731	0731	0732	0732	0732	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733			
ANIMAL ID	00226	00227	00228	00229	00230	00231	00232	00233	00234	00235	00236	00237	00238	00239	00240	00241	00242	00243	00244	00245	00246	00247	00248	00249	00250		
Islets, Pancreatic Adenoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Islets, Pancreatic Carcinoma																									X		
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Leukemia Mononuclear Pars Distalis, Adenoma																									X		
Leukemia Mononuclear Pars Distalis, Adenoma			X	X		X	X	X		X		X	X						X	X	X				X		
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
C-cell, Adenoma																											
C-cell, Carcinoma				X		X																					
GENERAL BODY SYSTEM																											
Peritoneum																											
Mesothelioma Malignant																											
GENITAL SYSTEM																											
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Mesothelioma Malignant	X									X	X																
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Carcinoma																											
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Carcinoma, Metastatic, Urinary Bladder																											
Mesothelioma Malignant																											

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS MALE 25 ppm	DAY ON TEST																								* TOTALS		
	0729	0731	0739	0772	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779			
ANIMAL ID	0022	0022	0022	0022	0023	0023	0023	0023	0023	0023	0023	0023	0023	0023	0023	0023	0023	0023	0023	0023	0023	0023	0023	0023	0023		
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Carcinoma, Metastatic, Urinary Bladder																									1		
Mesothelioma Malignant										X															3		
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Mesothelioma Malignant	X									X	X														10		
Bilateral, Interstitial Cell, Adenoma	X	X	X	X	X					X				X		X				X	X	X	X	X	24		
Interstitial Cell, Adenoma							X	X			X		X		X		X								11		
HEMATOPOIETIC SYSTEM																											
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49		
Histiocytic Sarcoma																									1		
Leukemia Mononuclear		X													X						X	X		X	11		
Lymph Node																							+		4		
Pancreatic, Leukemia Mononuclear																									1		
Renal, Leukemia Mononuclear																							X		3		
Lymph Node, Bronchial	M	M	M	M	M	M	M	M	M	M	M	M	+	M	M	M	M	M	M	M	M	+	M	M	9		
Carcinoma, Metastatic, Thyroid Gland																									1		
Histiocytic Sarcoma																									1		
Leukemia Mononuclear																							X		5		
Lymph Node, Mandibular	M	M	M	M	M	M	+	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	1		
Leukemia Mononuclear							X																		1		
Lymph Node, Mediastinal	M	+	M	+	M	+	M	+	M	M	+	M	M	M	+	M	M	M	+	+	+	+	+	M	21		
Leukemia Mononuclear							X								X						X				6		

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS MALE 25 ppm	DAY ON TEST																								* TOTALS
	0729	0731	0739	0772	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	
ANIMAL ID	002226	000022	000022	000022	000022	000022	000022	000022	000022	000022	000022	000022	000022	000022	000022	000022	000022	000022	000022	000022	000022	000022	000022	000022	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Histiocytic Sarcoma																								1	
Leukemia Mononuclear		X						X						X	X				X	X		X		16	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Histiocytic Sarcoma																								1	
Leukemia Mononuclear		X					X	X						X	X				X	X		X		17	
Mesothelioma Malignant									X															4	
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	M	M	M	+	+	+	+	+	+	+	M	43	
Leukemia Mononuclear																				X	X			6	
INTEGUMENTARY SYSTEM																									
Mammary Gland	M	M	+	M	+	+	+	+	M	+	+	M	M	M	+	+	+	M	M	+	+	+	M	29	
Fibroadenoma																								1	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Keratoacanthoma																			X		X	X		3	
Squamous Cell Papilloma																								1	
Subcutaneous Tissue, Fibroma		X					X																	4	
Subcutaneous Tissue, Sarcoma											X						X							2	
MUSCULOSKELETAL SYSTEM																									
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Skeletal Muscle													+											4	
Carcinoma, Metastatic, Urinary Bladder																								1	
Mesothelioma Malignant											X													3	

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

		DAY ON TEST																				* TOTALS				
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0			
FISCHER 344 RATS MALE		7	7	7	7	7	7	7	7	4	5	7	2	7	6	7	6	6	7	4	6	7	7	5	7	7
	25 ppm	2	3	3	2	2	2	3	2	6	3	3	9	3	6	3	9	0	3	9	4	3	2	6	2	2
		9	1	1	9	9	0	9	6	5	0	4	1	1	0	4	7	1	2	9	0	9	0	9	3	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
		2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	5
		6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0

NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Histiocytic Sarcoma																										1
Leukemia Mononuclear																								X		2

RESPIRATORY SYSTEM

Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Carcinoma, Metastatic, Thyroid Gland																										1
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Alveolar/Bronchiolar Adenoma																										1
Alveolar/Bronchiolar Carcinoma													X													1
Carcinoma, Metastatic, Thyroid Gland																										1
Carcinoma, Metastatic, Urinary Bladder																										1
Histiocytic Sarcoma																										2
Leukemia Mononuclear			X					X							X	X				X	X			X		13
Mesothelioma Malignant																										1
Squamous Cell Carcinoma	X																									1
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear																								X	X	3
Pleura																										1
Mesothelioma Malignant																										1
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49

SPECIAL SENSES SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS MALE 25 ppm	DAY ON TEST																								* TOTALS	
	0729	0731	0732	0739	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779		
ANIMAL ID	002226	000022	000022	000022	000022	000022	000022	000022	000022	000022	000022	000022	000022	000022	000022	000022	000022	000022	000022	000022	000022	000022	000022	000022		
Eye	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	48	
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Zymbal's Gland																									1	
Carcinoma																									1	
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Histiocytic Sarcoma																									1	
Leukemia Mononuclear		X						X								X					X	X		X	14	
Renal Tubule, Carcinoma														X											2	
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Mesothelioma Malignant											X														3	
Transitional Epithelium, Carcinoma																									2	
SYSTEMIC LESIONS																										
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Histiocytic Sarcoma																									2	
Leukemia Mononuclear		X					X	X							X	X				X	X		X	17		
Mesothelioma Malignant	X									X	X													12		

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

		DAY ON TEST																				males (cont...)				
FISCHER 344 RATS MALE	50 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0		
		7	7	6	6	7	5	6	6	7	6	5	7	7	6	7	7	2	4	6	5		5	7	6	5
		3	0	0	4	2	0	9	6	3	6	8	2	2	4	3	2	9	1	6	5	0	3	8	9	8
		0	5	3	2	9	0	8	0	1	6	9	9	2	0	9	6	8	6	7	2	0	3	9	1	3
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
		0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma, Metastatic, Thyroid Gland											X										I				
Intestine Large, Cecum	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear																									X
Mesothelioma Malignant																									
Intestine Large, Colon	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear																									
Intestine Large, Rectum	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear											X														X
Intestine Small, Jejunum	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Mesothelioma Malignant																									
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma							X																		
Leukemia Mononuclear			X						X	X				X	X				X					X	X
Mesothelioma Malignant	X															X									
Mesentery	+	+		+	+		+		+	+				+	+	+									+
Mesothelioma Malignant	X	X		X	X				X					X		X									
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS MALE	DAY ON TEST																				males (cont...)				
	0730	0730	0663	0662	0729	0560	0668	0660	0763	0661	0576	0772	0772	0666	0767	0779	0224	0446	0655	0557		0766	0551	0668	0599
50 ppm	ANIMAL ID																								
	0040	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044

Leukemia Mononuclear																											X
Mesothelioma Malignant	X		X		X								X			X											
Acinus, Adenoma																											
Duct, Carcinoma																											X
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear																											
Mesothelioma Malignant						X											X										
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear											X									X							
Mesothelioma Malignant						X																					

CARDIOVASCULAR SYSTEM

Blood Vessel																												+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear										X											X							X

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Adenoma																												
Leukemia Mononuclear	X										X				X	X						X				X	X	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Leukemia Mononuclear											X				X											X	X	
Pheochromocytoma Benign											X				X										X			

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS MALE	DAY ON TEST																								males (cont...)
	0730	0730	0662	0662	0772	0556	0666	0666	0776	0666	0556	0776	0776	0666	0776	0776	0224	0446	0556	0556	0776	0666	0556	0666	
	0400	0400	0400	0400	0400	0400	0400	0400	0400	0400	0400	0400	0400	0400	0400	0400	0400	0400	0400	0400	0400	0400	0400	0400	
50 ppm	ANIMAL ID																								
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

Bilateral, Pheochromocytoma Benign	X									X														
Islets, Pancreatic Adenoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma	X								X															X
Parathyroid Gland Adenoma	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	X	+	+
Pituitary Gland Leukemia Mononuclear	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Adenoma			X	X		X	X		X	X	X		X	X		X	X		X	X		X	X	X
Thyroid Gland C-cell, Adenoma	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C-cell, Carcinoma	X										X	X		X		X		X		X	X		X	X
Follicular Cell, Carcinoma								X	X				X		X									

GENERAL BODY SYSTEM

Peritoneum Mesothelioma Malignant	+		+	+																				
Tunica Vaginalis, Mesothelioma Malignant	X																							

GENITAL SYSTEM

Epididymis Mesothelioma Malignant	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
	X	X		X	X	X		X		X	X		X		X				X		X		X	X
Penis																								+

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS MALE		DAY ON TEST																							males (cont...)		
50 ppm		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0
ANIMAL ID		7	7	6	6	7	5	6	6	7	6	5	7	7	6	7	7	2	4	6	5	5	7	6		5	6
		3	0	0	4	2	0	9	6	3	6	8	2	2	4	3	2	9	1	6	5	0	3	8	9	8	
		0	5	3	2	9	0	8	0	1	6	9	9	2	0	9	6	8	6	7	2	0	9	1	8	3	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
		0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	
Preputial Gland		+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Adenoma																											
Carcinoma																											
Prostate		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Leukemia Mononuclear																											
Mesothelioma Malignant																											
Seminal Vesicle		+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Adenoma																											
Mesothelioma Malignant							X																				
Testes		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Mesothelioma Malignant		X	X		X		X	X	X		X		X		X		X		X		X		X		X		
Bilateral, Interstitial Cell, Adenoma			X				X	X				X			X							X	X		X		
Interstitial Cell, Adenoma		X		X	X	X				X		X		X		X					X						

HEMATOPOIETIC SYSTEM

Bone Marrow		+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Leukemia Mononuclear			X							X				X	X					X				X		
Lymph Node													+	+						+				+		
Deep Cervical, Leukemia Mononuclear										X																
Pancreatic, Leukemia Mononuclear										X										X				X		
Lymph Node, Bronchial		M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	+	M	M	+	+	M	+	+	M	M
Leukemia Mononuclear																						X				
Lymph Node, Mandibular		M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	+	M

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS MALE 50 ppm	DAY ON TEST																									ANIMAL ID	males (cont...)		
	0730	0730	0663	0664	0722	0500	0669	0666	0736	0663	0701	0706	0707	0662	0704	0707	0664	0703	0709	0229	0416	0666	0557	0552	0730			0668	0599
Leukemia Mononuclear																													X
Lymph Node, Mediastinal Leukemia Mononuclear	+	+	A	+	+	M	+	M	M	+	M	M	+	+	+	M	+	+	M	+	M	M	+	M					
Lymph Node, Mesenteric Leukemia Mononuclear	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen Leukemia Mononuclear Mesothelioma Malignant	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Thymus Carcinoma, Metastatic, Thyroid Gland Leukemia Mononuclear	+	+	A	+	M	+	+	M	+	+	+	+	M	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+

INTEGUMENTARY SYSTEM																													
Mammary Gland Carcinoma Fibroadenoma	M	M	M	M	M	M	M	+	+	+	M	M	M	M	+	+	M	+	+	+	M	+	+	M	+	+	M	M	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+
Keratoacanthoma																													
Squamous Cell Papilloma				X																									
Trichoepithelioma																													
Subcutaneous Tissue, Fibroma				X																									
Subcutaneous Tissue, Fibroma, Multiple																													
Subcutaneous Tissue, Histiocytic Sarcoma							X																						
Subcutaneous Tissue, Schwannoma Malignant																													

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

DAY ON TEST		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FISCHER 344 RATS MALE	7	7	6	6	7	5	6	6	7	6	5	7	7	6	7	7	2	4	6	5	5	7	6	5	6	6	
	3	0	0	4	2	0	9	6	3	6	8	2	2	4	3	2	9	1	6	5	0	3	8	9	8	8	
	0	5	3	2	9	0	8	0	0	1	6	9	9	2	0	9	6	8	6	7	2	0	9	1	3	3	
50 ppm	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
		0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5		

males (cont...)

MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Skeletal Muscle	+	+		+																						
Mesothelioma Malignant	X	X		X																						

NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Granular Cell Tumor Benign		X																								
Histiocytic Sarcoma							X																			
Leukemia Mononuclear																			X						X	
Peripheral Nerve										+																
Spinal Cord										+																

RESPIRATORY SYSTEM

Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma, Metastatic, Thyroid Gland												X														
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Alveolar/Bronchiolar Adenoma																										X
Alveolar/Bronchiolar Carcinoma																										
Carcinoma, Metastatic, Kidney																		X								
Carcinoma, Metastatic, Thyroid Gland												X														
Histiocytic Sarcoma							X																			
Leukemia Mononuclear			X							X	X				X	X			X					X	X	

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	males (cont...)	
DAY ON TEST		7	7	6	6	7	5	6	6	7	6	5	7	7	6	7	7	2	4	6	5	5	7	6	5		6
FISCHER 344 RATS MALE		3	0	0	4	2	0	9	6	3	6	8	2	2	4	3	2	9	1	6	5	0	3	8	9		8
50 ppm		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
		0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	

Nose
 Leukemia Mononuclear
 Sarcoma
 Respiratory Epithelium, Adenoma

Trachea
 Carcinoma, Metastatic, Thyroid Gland

SPECIAL SENSES SYSTEM

Eye
 Harderian Gland
 Leukemia Mononuclear

URINARY SYSTEM

Kidney
 Histiocytic Sarcoma
 Leukemia Mononuclear
 Mesothelioma Malignant
 Renal Tubule, Carcinoma
 Urinary Bladder
 Mesothelioma Malignant

SYSTEMIC LESIONS

Multiple Organ
 Histiocytic Sarcoma
 Leukemia Mononuclear

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 12/12/2011

Time Report Requested: 09:47:50

First Dose M/F: 06/06/05 / 06/06/05

Lab: BNW

FISCHER 344 RATS MALE	DAY ON TEST		ANIMAL ID																				males (cont...)		
	0730	0705	0663	0662	0742	0509	0668	0660	0763	0661	0656	0766	0772	0664	0733	0722	0661	0655	0757	0663	0583	0589		0651	0668
50 ppm	0040	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044
Mesothelioma Malignant	X	X		X	X	X		X	X	X		X	X	X		X		X	X		X		X	X	

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS MALE 50 ppm	DAY ON TEST																						* TOTALS	
	0730	0668	0729	0730	0533	0729	0637	0555	0554	0722	0732	0422	0722	0733	0733	0617	0739	0566	0557	0611	0722	0733		0732
ANIMAL ID	00426	00447	00448	00449	00400	00401	00402	00403	00404	00405	00406	00407	00408	00409	00410	00411	00412	00413	00414	00415	00416	00417	00418	

ALIMENTARY SYSTEM

Esophagus Carcinoma, Metastatic, Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49 1		
Intestine Large, Cecum Leukemia Mononuclear Mesothelioma Malignant	+	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	X	A	+	+	+	+	45 2 1	
Intestine Large, Colon Leukemia Mononuclear	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	X	A	+	+	+	+	47 1	
Intestine Large, Rectum	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	46	
Intestine Small, Duodenum	+	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	45	
Intestine Small, Ileum Leukemia Mononuclear	+	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	X	X	A	+	+	+	+	45 4
Intestine Small, Jejunum Mesothelioma Malignant	+	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	45 1	
Liver Histiocytic Sarcoma Leukemia Mononuclear Mesothelioma Malignant	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 1 16 2	
Mesentery Mesothelioma Malignant	+	+	+	+				+	+						+					+	+		+	21 11		
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS MALE 50 ppm	DAY ON TEST																								* TOTALS	
	0730	0668	0729	0730	0533	0729	0637	0555	0554	0772	0774	0422	0723	0773	0773	0661	0739	0556	0557	0661	0772	0773	0773	0772		
ANIMAL ID	00426	00447	00408	00409	00400	00400	00400	00400	00400	00400	00400	00400	00400	00400	00400	00400	00400	00400	00400	00400	00400	00400	00400	00400		
Bilateral, Pheochromocytoma Benign								X																	3	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Adenoma																						X			3	
Carcinoma							X						X										X		4	
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	M	+	+	+	+	+	47	
Adenoma																									1	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Leukemia Mononuclear						X											X		X	X					5	
Pars Distalis, Adenoma	X			X						X	X		X	X	X						X	X	X	X	26	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
C-cell, Adenoma														X											4	
C-cell, Carcinoma																									3	
Follicular Cell, Carcinoma															X										1	
GENERAL BODY SYSTEM																										
Peritoneum																									4	
Mesothelioma Malignant																									3	
Tunica Vaginalis, Mesothelioma Malignant																									1	
GENITAL SYSTEM																										
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Mesothelioma Malignant	X	X		X	X	X	X	X	X		X				X			X		X					25	
Penis																									1	

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS MALE 50 ppm	DAY ON TEST																				* TOTALS				
	0730	0668	0729	0730	0533	0729	0637	0555	0554	0729	0730	0423	0722	0739	0730	0671	0596	0553	0557	0611		0729	0730	0731	0729
ANIMAL ID	00426	00447	00448	00449	00400	00401	00404	00405	00406	00407	00408	00409	00410	00411	00412	00413	00414	00415	00416	00417	00418	00419	00420	00421	
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Adenoma																	X					X		2	
Carcinoma									X									X				X		3	
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear																		X						1	
Mesothelioma Malignant		X			X																			2	
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	48	
Adenoma												X												1	
Mesothelioma Malignant		X			X																			3	
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Mesothelioma Malignant	X	X		X	X		X	X		X					X	X	X		X					23	
Bilateral, Interstitial Cell, Adenoma	X	X			X		X								X	X	X					X		17	
Interstitial Cell, Adenoma			X		X				X	X	X		X	X			X		X	X	X		X	22	
HEMATOPOIETIC SYSTEM																									
Bone Marrow	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48	
Leukemia Mononuclear	X					X			X						X		X	X						12	
Lymph Node						+			+									+	+		+			9	
Deep Cervical, Leukemia Mononuclear																			X					2	
Pancreatic, Leukemia Mononuclear						X			X								X							6	
Lymph Node, Bronchial	+	M	M	M	M	M	M	M	M	M	M	M	M	M	+	M	M	+	+	M	M	M	M	9	
Leukemia Mononuclear	X																X	X						4	
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	1	

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS MALE		DAY ON TEST																								* TOTALS	
50 ppm		0730	0668	0729	0733	0535	0729	0637	0555	0554	0729	0723	0422	0723	0723	0733	0611	0731	0539	0556	0557	0661	0729	0733	0731		0729
ANIMAL ID		00426	00447	00448	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444
Leukemia Mononuclear																											1
Lymph Node, Mediastinal Leukemia Mononuclear		+	M	M	+	M	+	M	M	M	+	M	+	M	+	M	+	M	M	+	+	+	M	M	M	+	24
		X				X										X											9
Lymph Node, Mesenteric Leukemia Mononuclear		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
		X				X			X				X			X	X	X	X								16
Spleen Leukemia Mononuclear		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
		X				X			X				X			X	X	X	X								16
Mesothelioma Malignant			X			X			X											X							8
Thymus Carcinoma, Metastatic, Thyroid Gland		+	M	+	+	+	+	M	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	41
		X				X											X		X	X							1
Leukemia Mononuclear		X				X											X		X	X							10
INTEGUMENTARY SYSTEM																											
Mammary Gland Carcinoma		+	+	+	+	M	+	+	M	M	+	+	+	M	+	M	M	+	+	M	M	M	+	+	M	M	24
Fibroadenoma		X																									1
Skin		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Keratoacanthoma									X		X																3
Squamous Cell Papilloma																											1
Trichoepithelioma		X						X																			2
Subcutaneous Tissue, Fibroma																X											2
Subcutaneous Tissue, Fibroma, Multiple																	X										1
Subcutaneous Tissue, Histiocytic Sarcoma																											1
Subcutaneous Tissue, Schwannoma Malignant																								X			1

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

DAY ON TEST		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	* TOTALS
FISCHER 344 RATS MALE		7	6	7	7	5	7	6	5	5	7	7	4	7	7	6	7	5	5	5	6	7	7	7	7	
50 ppm		3	6	2	3	3	2	3	5	7	2	3	2	2	3	3	1	3	9	6	7	1	2	3	3	
ANIMAL ID		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
		2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	5
		6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0

MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Skeletal Muscle					+				+																	7
Mesothelioma Malignant					X				X																	7

NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Granular Cell Tumor Benign																										1
Histiocytic Sarcoma																										1
Leukemia Mononuclear																			X							3
Peripheral Nerve																										1
Spinal Cord																										1

RESPIRATORY SYSTEM

Larynx	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Carcinoma, Metastatic, Thyroid Gland																										1
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Alveolar/Bronchiolar Adenoma																						X	X			3
Alveolar/Bronchiolar Carcinoma											X															1
Carcinoma, Metastatic, Kidney																										1
Carcinoma, Metastatic, Thyroid Gland																										1
Histiocytic Sarcoma																										1
Leukemia Mononuclear					X				X			X			X	X	X	X								16

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS MALE 50 ppm	DAY ON TEST																								* TOTALS	
	0730	0668	0729	0730	0533	0729	0637	0555	0557	0774	0774	0422	0722	0773	0673	0676	0556	0557	0661	0722	0733	0733	0772	0772		
ANIMAL ID	00426	00442	00442	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444		
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear							X											X							3	
Sarcoma								X																	1	
Respiratory Epithelium, Adenoma																							X		1	
Trachea	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Carcinoma, Metastatic, Thyroid Gland																									1	
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	47	
Harderian Gland	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48	
Leukemia Mononuclear																									1	
URINARY SYSTEM																										
Kidney	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Histiocytic Sarcoma																									1	
Leukemia Mononuclear	X					X			X						X	X	X	X							13	
Mesothelioma Malignant																									1	
Renal Tubule, Carcinoma																									1	
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Mesothelioma Malignant		X						X																	3	
SYSTEMIC LESIONS																										
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Histiocytic Sarcoma																									1	
Leukemia Mononuclear	X					X			X			X			X	X	X	X							16	

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 12/12/2011

Time Report Requested: 09:47:50

First Dose M/F: 06/06/05 / 06/06/05

Lab: BNW

FISCHER 344 RATS MALE 50 ppm	DAY ON TEST																										* TOTALS	
	0730	0668	0729	0730	0535	0769	0657	0555	0574	0729	0730	0423	0729	0730	0671	0730	0531	0556	0557	0671	0729	0730	0731	0732	0739			
	ANIMAL ID																											
	0042	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0044	0045	0046
Mesothelioma Malignant	X	X		X	X	X	X	X	X	X	X				X		X	X										28

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
CAS Number: 75-35-4

Date Report Requested: 12/12/2011
Time Report Requested: 09:47:50
First Dose M/F: 06/06/05 / 06/06/05
Lab: BNW

FISCHER 344 RATS MALE	DAY ON TEST																					males (cont...)					
	0701	0703	0702	0702	0703	0703	0705	0706	0704	0707	0704	0705	0707	0707	0706	0700	0707	0706	0705	0707	0707		0706	0705	0706	0706	0707
	100600	100600	100600	100600	100600	100600	100600	100600	100600	100600	100600	100600	100600	100600	100600	100600	100600	100600	100600	100600	100600		100600	100600	100600	100600	100600

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+
Leukemia Mononuclear																									
Mesothelioma Malignant													X												
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																									
Leukemia Mononuclear																									
Mesothelioma Malignant													X												
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Mesothelioma Malignant													X												
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear																									
Mesothelioma Malignant													X												
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cholangiocarcinoma																									
Leukemia Mononuclear						X			X		X	X	X					X	X	X		X			X
Mesothelioma Malignant																									
Mesentery	+	+		+	+	+	+	+			+	+	+				+		+	+			+		

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS MALE 100 ppm	DAY ON TEST																									males (cont...)
	0701	0703	0702	0722	0723	0733	0755	0766	0764	0777	0774	0785	0772	0774	0773	0767	0760	0771	0766	0753	0773	0762	0765	0761	0769	
ANIMAL ID	0060	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	
Mesothelioma Malignant	X			X										X								X		X		
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Leukemia Mononuclear																										
Mesothelioma Malignant														X										X		
Acinus, Carcinoma																										
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Leukemia Mononuclear																										
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Leukemia Mononuclear																										
Mesothelioma Malignant														X										X		
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Leukemia Mononuclear																										
Mesothelioma Malignant														X										X		
Tongue																									+	
CARDIOVASCULAR SYSTEM																										
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Fibrous Histiocytoma, Metastatic, Skin																										
Leukemia Mononuclear													X	X	X							X	X		X	
ENDOCRINE SYSTEM																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Leukemia Mononuclear													X	X	X	X						X	X		X	

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS MALE 100 ppm	DAY ON TEST																									ANIMAL ID	males (cont...)
	07 00 11	07 03 00	07 02 09	07 02 09	06 03 05	07 03 00	06 05 06	04 09 05	07 02 09	07 03 00	04 04 09	05 02 06	07 03 00	07 04 06	06 03 00	07 01 08	06 07 06	05 03 04	07 03 01	06 02 09	05 00 00	06 06 01	06 01 09	07 06 02			
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Leukemia Mononuclear						X						X	X						X						X		
Pheochromocytoma Benign					X														X						X		
Pheochromocytoma Malignant																				X							
Bilateral, Pheochromocytoma Benign						X																					
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Adenoma																											
Carcinoma		X																	X	X							
Parathyroid Gland	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+		
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Leukemia Mononuclear																											
Pars Distalis, Adenoma	X	X	X	X	X	X	X	X	X	X				X				X	X	X	X	X	X		X		
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
C-cell, Adenoma														X													
C-cell, Carcinoma		X			X																						

GENERAL BODY SYSTEM

Peritoneum	+																								+
Mesothelioma Malignant	X																								X
Osteosarcoma, Metastatic, Uncertain Primary Site																									
Tissue NOS																									
Abdominal, Leukemia Mononuclear																									

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS MALE	DAY ON TEST	0 7	0 7	0 7	0 7	0 6	0 7	0 6	0 4	0 7	0 7	0 4	0 5	0 7	0 7	0 6	0 0	0 7	0 6	0 5	0 7	0 6	0 5	0 6	0 7	ANIMAL ID	males (cont...)
	100 ppm	0 1	0 3	0 2	0 2	0 3	0 3	0 5	0 9	0 2	0 3	0 4	0 4	0 2	0 3	0 7	0 1	0 1	0 7	0 6	0 3	0 3	0 9	0 0	0 1		
		0 6 0 1	0 6 0 2	0 6 0 3	0 6 0 4	0 6 0 5	0 6 0 6	0 6 0 7	0 6 0 8	0 6 0 9	0 6 0 0	0 6 0 1	0 6 0 2	0 6 0 3	0 6 0 4	0 6 0 5	0 6 0 6	0 6 0 7	0 6 0 8	0 6 0 9	0 6 0 0	0 6 0 1	0 6 0 2	0 6 0 3	0 6 0 4		

GENITAL SYSTEM

Coagulating Gland	+																							
Epididymis	+ +																							
Leukemia Mononuclear																								
Mesothelioma Malignant	X X																							
Preputial Gland	+ +																							
Leukemia Mononuclear																								
Prostate	+ +																							
Adenoma																								
Leukemia Mononuclear																								
Mesothelioma Malignant	X																							
Seminal Vesicle	+ +																							
Adenoma																								
Mesothelioma Malignant	X																							
Testes	+ +																							
Leukemia Mononuclear																								
Mesothelioma Malignant	X X																							
Bilateral, Interstitial Cell, Adenoma																								
Interstitial Cell, Adenoma	X X																							

HEMATOPOIETIC SYSTEM

Bone Marrow	+ +																							
Leukemia Mononuclear	X X																							

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS MALE 100 ppm	DAY ON TEST																				ANIMAL ID	males (cont...)					
	0 7 0 1	0 7 3 0	0 7 2 0	0 7 2 9	0 6 3 5	0 7 3 0	0 6 5 6	0 4 9 5	0 7 2 9	0 7 3 0	0 4 4 9	0 5 2 2	0 7 3 6	0 7 2 0	0 6 7 0	0 0 1 8	0 7 3 6	0 5 3 4	0 7 3 1	0 6 2 9			0 5 0 0	0 6 6 1	0 6 1 9	0 6 9 2	0 7 2 9
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear												X	X										X				
Respiratory Epithelium, Adenoma				X	X				X																		
Pleura																											
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SPECIAL SENSES SYSTEM																											
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear													X												X		
URINARY SYSTEM																											
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear						X			X		X	X						X	X	X		X					X
Mesenchymal Tumor Malignant																											
Mesothelioma Malignant																										X	
Renal Tubule, Carcinoma																											
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear																											
Mesothelioma Malignant													X													X	
SYSTEMIC LESIONS																											
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear						X			X		X	X	X					X	X	X		X					X

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS MALE 100 ppm		DAY ON TEST																												
		07 00 01	07 03 00	07 02 09	07 02 09	06 03 05	07 03 00	06 05 06	04 09 05	07 02 09	07 03 00	04 04 02	05 02 06	07 03 00	06 07 00	07 06 00	05 03 04	07 03 01	06 02 09	05 03 00	07 06 01		06 05 03	07 06 02	05 06 01	06 01 09	07 06 02	05 06 09	06 01 09	
ANIMAL ID		00 06 00 01	00 06 00 02	00 06 00 03	00 06 00 04	00 06 00 05	00 06 00 06	00 06 00 07	00 06 00 08	00 06 00 09	00 06 00 00	00 06 00 01	00 06 00 01	00 06 00 01	00 06 00 01	00 06 00 01	00 06 00 01	00 06 00 01	00 06 00 01	00 06 00 01	00 06 00 02	00 06 00 02	00 06 00 02	00 06 00 02	00 06 00 02	00 06 00 03	00 06 00 04	00 06 00 05		
Mesothelioma Malignant		X	X	X	X			X	X	X	X	X									X	X								

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS MALE 100 ppm	DAY ON TEST																					* TOTALS
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	7	7	6	6	7	7	6	4	5	7	7	7	5	5	6	5	7	5	6	6	6	
	3	3	2	9	3	3	9	3	8	0	2	2	9	3	9	3	2	8	5	0	9	1
	0	0	0	8	0	0	4	7	3	1	9	9	3	4	8	5	9	3	7	8	9	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Cecum	+	+	+	+	+	+	A	+	A	+	+	+	+	+	A	+	+	+	+	+	+	+	46
Leukemia Mononuclear																					X		1
Mesothelioma Malignant																							1
Intestine Large, Colon	+	+	+	+	+	+	A	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	48
Adenoma																		X					1
Leukemia Mononuclear																					X		1
Mesothelioma Malignant																							1
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	49
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	49
Mesothelioma Malignant																							1
Intestine Small, Ileum	+	+	+	+	+	+	A	+	A	+	+	+	+	+	A	+	+	+	+	+	+	+	47
Leukemia Mononuclear								X															2
Mesothelioma Malignant																							1
Intestine Small, Jejunum	+	+	+	+	+	+	A	+	A	+	+	+	+	+	A	+	+	+	+	+	+	+	47
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cholangiocarcinoma																							1
Leukemia Mononuclear					X	X		X	X	X					X		X	X		X			20
Mesothelioma Malignant											X					X							2
Mesentery							+		+			+	+	+			+	+		+	+		23

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS MALE 100 ppm	DAY ON TEST																				* TOTALS							
	0730	0730	0668	0668	0770	0770	0664	0664	0575	0575	0777	0777	0575	0575	0666	0666	0575	0575	0666	0666		0777	0777	0667	0667	0777	0777	0667
ANIMAL ID	00626	00667	00668	00669	00670	00671	00672	00673	00674	00675	00676	00677	00678	00679	00680	00681	00682	00683	00684	00685	00686	00687	00688	00689	00690	00691	00692	00693
Mesothelioma Malignant							X		X		X	X		X	X		X	X		X	X							13
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	49
Leukemia Mononuclear					X														X									2
Mesothelioma Malignant Acinus, Carcinoma							X					X						X				X						6
																												1
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear											X																	1
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear															X													1
Mesothelioma Malignant												X						X				X						5
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear									X	X															X			3
Mesothelioma Malignant												X											X					4
Tongue					+																							2
CARDIOVASCULAR SYSTEM																												
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Fibrous Histiocytoma, Metastatic, Skin																										X		1
Leukemia Mononuclear							X	X	X					X				X	X									12
ENDOCRINE SYSTEM																												
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear					X	X			X	X				X			X	X	X	X		X						16

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 12/12/2011

Time Report Requested: 09:47:50

First Dose M/F: 06/06/05 / 06/06/05

Lab: BNW

FISCHER 344 RATS MALE 100 ppm	DAY ON TEST																								* TOTALS	
	0 7 3 0	0 7 3 0	0 6 2 0	0 6 2 0	0 7 9 8	0 7 3 0	0 6 3 4	0 6 9 7	0 4 3 3	0 5 8 4	0 7 0 1	0 7 2 9	0 5 9 3	0 5 3 4	0 6 9 8	0 5 3 5	0 7 2 9	0 5 8 3	0 6 5 3	0 6 0 7	0 6 9 1	0 7 3 0	0 6 1 7	0 7 3 1		
ANIMAL ID	0 6 2 6	0 6 2 7	0 6 2 8	0 6 2 9	0 6 3 0	0 6 3 1	0 6 3 2	0 6 3 3	0 6 3 3	0 6 3 3	0 6 3 3	0 6 3 3	0 6 3 3	0 6 3 3	0 6 4 0	0 6 4 1	0 6 4 2	0 6 4 3	0 6 4 4	0 6 4 5	0 6 4 6	0 6 4 7	0 6 4 8	0 6 4 9	0 6 5 0	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear									X						X			X		X	X		X			11
Pheochromocytoma Benign		X	X		X														X							7
Pheochromocytoma Malignant																										1
Bilateral, Pheochromocytoma Benign																										1
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	49
Adenoma																								X		1
Carcinoma																					X					4
Parathyroid Gland	+	+	M	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	45
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear																					X	X		X		3
Pars Distalis, Adenoma	X	X	X		X		X	X		X			X	X			X		X	X		X	X	X	X	33
Thyroid Gland	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
C-cell, Adenoma																										1
C-cell, Carcinoma						X																				3

GENERAL BODY SYSTEM

Peritoneum																											3
Mesothelioma Malignant																											2
Osteosarcoma, Metastatic, Uncertain Primary Site								X																			1
Tissue NOS																											1
Abdominal, Leukemia Mononuclear																									X		1

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS MALE 100 ppm	DAY ON TEST	0 7 3 0	0 7 3 0	0 6 2 8	0 6 9 8	0 7 3 0	0 7 3 4	0 6 9 7	0 4 3 8	0 5 8 3	0 7 1 9	0 7 2 9	0 5 9 3	0 5 3 4	0 6 9 8	0 5 3 5	0 7 2 9	0 5 8 3	0 6 5 0	0 6 9 1	0 6 3 7	0 6 1 9	0 7 3 0	0 6 1 7	0 7 3 1	* TOTALS	
	ANIMAL ID	0 6 2 6	0 6 2 7	0 6 2 8	0 6 2 9	0 6 3 0	0 6 3 1	0 6 3 2	0 6 3 3	0 6 3 4	0 6 3 5	0 6 3 6	0 6 3 7	0 6 3 8	0 6 3 9	0 6 4 0	0 6 4 1	0 6 4 2	0 6 4 3	0 6 4 4	0 6 4 5	0 6 4 6	0 6 4 7	0 6 4 8	0 6 4 9		0 6 5 0
		6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9		0

GENITAL SYSTEM

Coagulating Gland																											3
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear																									X	+	1
Mesothelioma Malignant	X	X					X			X	X		X	X	X			X	X		X	X				23	
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear																									X	+	1
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Adenoma												X														1	
Leukemia Mononuclear																									X	+	1
Mesothelioma Malignant													X						X							3	
Seminal Vesicle	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48	
Adenoma												X														1	
Mesothelioma Malignant													X						X		X	X				5	
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear																									X	+	1
Mesothelioma Malignant	X						X			X	X		X	X	X			X	X		X	X				20	
Bilateral, Interstitial Cell, Adenoma				X		X				X	X	X			X			X	X		X					14	
Interstitial Cell, Adenoma			X			X		X					X											X	+	11	

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	49
Leukemia Mononuclear								X	X	X					X				X	X		X				15

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS MALE 100 ppm	DAY ON TEST																				* TOTALS							
	0730	0730	0668	0668	0770	0770	0664	0664	0577	0577	0777	0777	0559	0559	0666	0666	0557	0557	0666	0666		0777	0777	0667	0667	0777	0777	0667
ANIMAL ID	00626	00662	00662	00662	00662	00662	00662	00662	00662	00662	00662	00662	00662	00662	00662	00662	00662	00662	00662	00662	00662	00662	00662	00662	00662	00662	00662	00662
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear						X		X	X										X	X		X						9
Respiratory Epithelium, Adenoma					X																							4
Pleura																												1
Trachea	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	48
SPECIAL SENSES SYSTEM																												
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	49
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	49
Leukemia Mononuclear																												2
URINARY SYSTEM																												
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear					X	X		X	X	X					X					X	X		X					18
Mesenchymal Tumor Malignant																				X								1
Mesothelioma Malignant																												1
Renal Tubule, Carcinoma																										X		1
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear																										X		1
Mesothelioma Malignant																										X	X	5
SYSTEMIC LESIONS																												
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear					X	X		X	X	X					X				X		X	X		X				20

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 12/12/2011

Time Report Requested: 09:47:50

First Dose M/F: 06/06/05 / 06/06/05

Lab: BNW

FISCHER 344 RATS MALE 100 ppm	DAY ON TEST																							* TOTALS
	0730	0730	0668	0668	0770	0776	0664	0455	0777	0777	0775	0555	0666	0555	0772	0558	0665	0660	0669	0661	0773	0661	0773	
ANIMAL ID	00626	00662	00662	00662	00663	00663	00663	00663	00663	00663	00663	00663	00663	00663	00663	00663	00663	00663	00663	00663	00663	00663	00663	
Mesothelioma Malignant	X	X					X			X	X		X	X	X		X	X		X	X			
																								23

*** END OF MALE DATA ***

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS FEMALE	DAY ON TEST																									females (cont...)
	0 7 3 2	0 7 3 3	0 5 5 1	0 7 2 4	0 6 6 6	0 7 3 3	0 7 3 2	0 7 3 3	0 7 3 5	0 7 3 1	0 6 7 8	0 7 2 4	0 7 3 1	0 7 3 1	0 5 4 7	0 7 3 3	0 7 3 3	0 6 6 1	0 6 8 7	0 6 9 8	0 7 3 1	0 5 9 2				
Control	ANIMAL ID																									
	0 0 1 0 1	0 0 1 0 2	0 0 1 0 3	0 0 1 0 4	0 0 1 0 5	0 0 1 0 6	0 0 1 0 7	0 0 1 0 8	0 0 1 0 9	0 0 1 0 0	0 0 1 1 1	0 0 1 1 2	0 0 1 1 3	0 0 1 1 4	0 0 1 1 5	0 0 1 1 6	0 0 1 1 7	0 0 1 1 8	0 0 1 1 9	0 0 1 2 0	0 0 1 2 1	0 0 1 2 2	0 0 1 2 3	0 0 1 2 4	0 0 1 2 5	

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver Hepatocellular Adenoma Leukemia Mononuclear Sarcoma, Metastatic, Uncertain Primary Site	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Mesentery	+		+		+					+						+	+			+			+		+
Pancreas Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

		DAY ON TEST																									females (cont...)
FISCHER 344 RATS FEMALE		0 7 3 2	0 7 3 3	0 5 5 1	0 7 2 4	0 6 6 6	0 7 3 2	0 7 3 3	0 7 2 3	0 7 3 3	0 7 2 5	0 7 1 8	0 6 7 4	0 7 7 1	0 7 7 1	0 5 3 2	0 7 3 3	0 7 3 3	0 7 3 3	0 6 6 1	0 6 8 7	0 6 9 8	0 7 3 1	0 5 9 2			
Control		ANIMAL ID																									females (cont...)
		0 0 1 0 1	0 0 1 0 2	0 0 1 0 3	0 0 1 0 4	0 0 1 0 5	0 0 1 0 6	0 0 1 0 7	0 0 1 0 8	0 0 1 0 9	0 0 1 0 0	0 0 1 1 1	0 0 1 1 1	0 0 1 1 1	0 0 1 1 1	0 0 1 1 1	0 0 1 1 1	0 0 1 1 1	0 0 1 1 1	0 0 1 1 1	0 0 1 1 1	0 0 1 1 1	0 0 1 1 1	0 0 1 1 1			
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	
		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Salivary Glands		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Stomach, Forestomach Leukemia Mononuclear		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Stomach, Glandular Leukemia Mononuclear		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Tongue Squamous Cell Carcinoma																								+	X		
CARDIOVASCULAR SYSTEM																											
Blood Vessel Leiomyosarcoma																									+	X	
Heart Leukemia Mononuclear		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
ENDOCRINE SYSTEM																											
Adrenal Cortex Adenoma		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Carcinoma		X					X																				
Leukemia Mononuclear					X																				X		
Bilateral, Adenoma							X																				
Adrenal Medulla Leukemia Mononuclear		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Pheochromocytoma Malignant					X																				X		

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS FEMALE	DAY ON TEST																									females (cont...)
	0732	0733	0735	0737	0736	0737	0737	0737	0737	0737	0736	0737	0737	0737	0735	0737	0737	0737	0737	0736	0736	0736	0737	0735		
Control	ANIMAL ID																									
	0010	0011	0010	0010	0010	0010	0010	0010	0010	0010	0010	0010	0010	0010	0010	0010	0010	0010	0010	0010	0010	0010	0010	0010		
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Parathyroid Gland	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Leukemia Mononuclear																										
Pars Distalis, Adenoma			X	X	X		X		X	X			X	X	X		X		X	X	X	X	X	X		
Pars Distalis, Carcinoma													X													
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
C-cell, Adenoma							X			X																
GENERAL BODY SYSTEM																										
NONE																										
GENITAL SYSTEM																										
Clitoral Gland	+	M	+	+	+	+	+	+	M	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Adenoma												X										X				
Carcinoma														X												
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Granulosa-Theca Tumor Malignant	X																									
Leukemia Mononuclear																										
Sertoli Cell Tumor Malignant																										
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Leukemia Mononuclear																										
Polyp Stromal		X																X		X			X			

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS FEMALE	DAY ON TEST																									females (cont...)
	0732	0733	0735	0772	0776	0777	0777	0777	0777	0777	0777	0777	0777	0777	0777	0777	0777	0777	0777	0777	0777	0777	0777	0777	0777	
Control	0010	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	

Bilateral, Polyp Stromal X

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear				X																				
Lymph Node																								
Deep Cervical, Leukemia Mononuclear																								
Deep Cervical, Lymphoma Malignant																								
Pancreatic, Leukemia Mononuclear																								
Lymph Node, Bronchial	M	M	+	M	M	M	M	M	+	M	M	M	M	M	M	M	M	M	M	M	M	M	M	+
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	+	M
Leukemia Mononuclear																							X	M
Lymph Node, Mediastinal	+	M	M	M	M	+	+	M	+	+	+	+	M	M	M	+	+	M	+	+	+	+	+	
Leukemia Mononuclear																								M
Lymphoma Malignant																							X	M
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear																								+
Lymphoma Malignant																								X
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear																								+
Thymus	+	+	+	+	M	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	
Leukemia Mononuclear																								X
Sarcoma, Metastatic, Uncertain Primary Site																								+

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Vinylidene chloride
CAS Number: 75-35-4

Date Report Requested: 12/12/2011
Time Report Requested: 09:47:50
First Dose M/F: 06/06/05 / 06/06/05
Lab: BNW

FISCHER 344 RATS FEMALE	DAY ON TEST																								females (cont...)
	0 7 3 2	0 7 3 3	0 5 5 1	0 7 2 4	0 6 6 6	0 7 3 3	0 7 3 2	0 7 3 3	0 7 2 5	0 7 3 1	0 6 9 4	0 7 2 3	0 7 3 1	0 7 3 1	0 5 4 7	0 7 3 3	0 7 3 3	0 6 6 1	0 6 8 7	0 6 9 8	0 7 3 1	0 5 9 2			
Control	ANIMAL ID																								
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2		

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma												X				X						X
Carcinoma, Multiple								X														
Fibroadenoma	X			X		X		X			X	X	X		X	X			X		X	
Fibroadenoma, Multiple		X			X			X	X	X			X			X	X		X		X	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Basal Cell Adenoma																						
Keratoacanthoma			X																			
Subcutaneous Tissue, Fibroma																	X					
Subcutaneous Tissue, Lymphoma Malignant													X									

MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Osteosarcoma								X														
Sarcoma, Metastatic, Uncertain Primary Site																						
Skeletal Muscle																						
Sarcoma, Metastatic, Uncertain Primary Site																						

NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma, Metastatic, Pituitary Gland										X												

RESPIRATORY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS FEMALE Control	DAY ON TEST																									females (cont...)
	0 7 3 2	0 7 3 3	0 5 5 1	0 7 2 4	0 6 6 6	0 7 3 3	0 7 3 2	0 7 3 3	0 7 3 5	0 7 3 1	0 6 4 8	0 7 2 4	0 7 3 1	0 7 3 1	0 5 4 7	0 7 3 3	0 7 3 3	0 6 6 1	0 6 8 7	0 6 9 8	0 7 3 1	0 5 9 1	0 7 9 2			
ANIMAL ID	0 0 1 0 1	0 0 0 0 2	0 0 1 0 3	0 0 1 0 4	0 0 1 0 5	0 0 1 0 6	0 0 1 0 7	0 0 0 0 8	0 0 1 0 9	0 0 1 0 0	0 0 1 1 1	0 0 1 1 2	0 0 1 1 3	0 0 1 1 4	0 0 1 1 5	0 0 1 1 6	0 0 1 1 7	0 0 1 1 8	0 0 1 1 9	0 0 1 2 0	0 0 1 2 1	0 0 1 2 2	0 0 1 2 3	0 0 1 2 4	0 0 1 2 5	
Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Alveolar/Bronchiolar Adenoma																										
Leukemia Mononuclear																										
Pheochromocytoma Malignant, Metastatic, Adrenal Medulla																										
Sarcoma, Metastatic, Uncertain Primary Site																										
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Leukemia Mononuclear																										
Lymphoma Malignant																										
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Leukemia Mononuclear																										
Lymphoma Malignant																										
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Leukemia Mononuclear																										
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Leukemia Mononuclear																										
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 12/12/2011

Time Report Requested: 09:47:50

First Dose M/F: 06/06/05 / 06/06/05

Lab: BNW

		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	females (cont...)		
DAY ON TEST		7	7	5	7	6	7	7	7	7	6	7	7	7	7	5	7	7	7	7	6	6	6	7		5	
FISCHER 344 RATS FEMALE		3	3	5	2	6	3	3	3	2	3	9	2	3	3	4	3	3	3	3	6	8	9	3		9	
		2	3	1	4	6	3	2	3	5	1	8	4	1	1	2	7	3	3	3	1	7	8	1	2		
Control		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
ANIMAL ID		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
		0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2		
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	

Leukemia Mononuclear

SYSTEMIC LESIONS

Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear				X							X											X		
Lymphoma Malignant															X									

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
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M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 12/12/2011

Time Report Requested: 09:47:50

First Dose M/F: 06/06/05 / 06/06/05

Lab: BNW

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ANIMAL ID	* TOTALS
	7	5	7	6	7	6	7	6	7	6	7	7	7	7	7	6	7	7	7	7	7	7	7	6		
FISCHER 344 RATS FEMALE	3	7	1	5	3	8	3	7	3	3	3	0	3	3	3	9	3	3	3	3	3	3	3	9		
Control	1	9	9	6	3	7	3	5	3	1	2	3	3	3	1	2	3	4	3	2	3	3	2	1		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	5		
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9		

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Cecum	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Leukemia Mononuclear				X																				1
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear				X																				1
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear				X																				1
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear				X																				1
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hepatocellular Adenoma														X										1
Leukemia Mononuclear								X		X				X					X		X			10
Sarcoma, Metastatic, Uncertain Primary Site				X												X								1
Mesentery	+	+				+			+										+					13
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear				X				X																2

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS FEMALE Control	DAY ON TEST																								* TOTALS
	0731	0739	0779	0766	0773	0768	0776	0763	0771	0766	0774	0769	0772	0767	0775	0764	0773	0768	0771	0766	0774	0769	0772		
ANIMAL ID	00126	00007	00008	00009	00010	00011	00012	00013	00014	00015	00016	00017	00018	00019	00020	00021	00022	00023	00024	00025	00026	00027	00028		
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Stomach, Forestomach Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 2	
Stomach, Glandular Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 2	
Tongue Squamous Cell Carcinoma																								1 1	
CARDIOVASCULAR SYSTEM																									
Blood Vessel Leiomyosarcoma																								1 1	
Heart Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 3	
ENDOCRINE SYSTEM																									
Adrenal Cortex Adenoma Carcinoma Leukemia Mononuclear Bilateral, Adenoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 1 1 8 1	
Adrenal Medulla Leukemia Mononuclear Pheochromocytoma Malignant	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 5 1	

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS FEMALE	DAY ON TEST																								* TOTALS		
	0731	0739	0779	0766	0773	0768	0777	0766	0773	0768	0777	0766	0773	0768	0777	0766	0773	0768	0777	0766	0773	0768	0777	0766		0773	0768
Control	ANIMAL ID																										
	0016	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025	0026	0027	0028	0029	0030	0031	0032
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear				X				X																			2
Pars Distalis, Adenoma	X	X	X		X	X	X		X			X			X	X	X	X	X							X	32
Pars Distalis, Carcinoma																											1
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
C-cell, Adenoma																											3
GENERAL BODY SYSTEM																											
NONE																											
GENITAL SYSTEM																											
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Adenoma																											4
Carcinoma																											1
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Granulosa-Theca Tumor Malignant																											1
Leukemia Mononuclear				X				X																X			3
Sertoli Cell Tumor Malignant										X																	1
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear				X				X																			2
Polyp Stromal	X	X					X	X	X																		10

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS FEMALE	DAY ON TEST																								* TOTALS
	0731	0739	0779	0765	0773	0768	0776	0761	0779	0766	0774	0769	0777	0762	0775	0760	0778	0765	0773	0768	0771	0766	0774		
Control	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	001	1	

Bilateral, Polyp Stromal

1

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear				X				X		X				X									X	6
Lymph Node									+															2
Deep Cervical, Leukemia Mononuclear									X															1
Deep Cervical, Lymphoma Malignant																								1
Pancreatic, Leukemia Mononuclear									X															1
Lymph Node, Bronchial	M	M	M	M	M	M	M	M	+	M	M	M	M	M	M	M	M	M	M	M	M	M	M	4
Lymph Node, Mandibular	M	M	M	M	M	M	M	+	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	2
Leukemia Mononuclear								X																2
Lymph Node, Mediastinal	+	+	+	+	+	+	+	+	+	+	M	+	+	+	M	+	M	M	M	M	+	+	+	33
Leukemia Mononuclear				X				X		X				X							X	X	X	8
Lymphoma Malignant																								1
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear				X				X		X				X							X	X	X	9
Lymphoma Malignant																								1
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear				X				X		X				X							X	X	X	10
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	46
Leukemia Mononuclear				X				X		X				X							X	X	X	8
Sarcoma, Metastatic, Uncertain Primary Site																	X							1

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

DAY ON TEST	FISCHER 344 RATS FEMALE																								* TOTALS
	0 7 3 1	0 5 7 9	0 7 1 9	0 6 5 6	0 7 3 7	0 6 8 3	0 7 3 5	0 6 7 3	0 7 3 1	0 6 3 5	0 7 3 3	0 7 3 1	0 7 3 2	0 7 3 3	0 7 3 3	0 7 3 1	0 7 3 2	0 6 3 4	0 7 3 3	0 7 3 2	0 7 3 3	0 7 3 3	0 7 3 2	0 6 3 1	
ANIMAL ID	0 0 1 2 6	0 0 1 2 7	0 0 1 2 8	0 0 1 2 9	0 0 1 3 0	0 0 1 3 1	0 0 1 3 2	0 0 1 3 3	0 0 1 3 4	0 0 1 3 5	0 0 1 3 6	0 0 1 3 7	0 0 1 3 8	0 0 1 3 9	0 0 1 4 0	0 0 1 4 1	0 0 1 4 2	0 0 1 4 3	0 0 1 4 4	0 0 1 4 5	0 0 1 4 6	0 0 1 4 7	0 0 1 4 8	0 0 1 4 9	0 0 1 5 0

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Carcinoma			X																							4
Carcinoma, Multiple																										1
Fibroadenoma		X	X		X	X			X	X			X	X	X	X			X			X	X		26	
Fibroadenoma, Multiple											X														11	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Basal Cell Adenoma											X														1	
Keratoacanthoma																									1	
Subcutaneous Tissue, Fibroma																									1	
Subcutaneous Tissue, Lymphoma Malignant																									1	

MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Osteosarcoma																									1
Sarcoma, Metastatic, Uncertain Primary Site																		X							1
Skeletal Muscle																				+					1
Sarcoma, Metastatic, Uncertain Primary Site																				X					1

NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Carcinoma, Metastatic, Pituitary Gland																									1

RESPIRATORY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS FEMALE	DAY ON TEST																								* TOTALS	
	0731	0739	0779	0766	0773	0768	0776	0766	0773	0766	0773	0766	0773	0766	0773	0766	0773	0766	0773	0766	0773	0766	0773	0766		0773
Control	ANIMAL ID																									
	00126	00127	00128	00129	00130	00131	00132	00133	00134	00135	00136	00137	00138	00139	00140	00141	00142	00143	00144	00145	00146	00147	00148	00149	00150	
Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Alveolar/Bronchiolar Adenoma																										1
Leukemia Mononuclear				X				X		X				X					X		X			X	9	
Pheochromocytoma Malignant, Metastatic, Adrenal Medulla																										1
Sarcoma, Metastatic, Uncertain Primary Site																			X							1
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear								X		X																2
Lymphoma Malignant																										1
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear								X																		1
Lymphoma Malignant																										1
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear								X																		1
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear				X				X		X				X								X		X		8
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

		DAY ON TEST																				females (cont...)		
FISCHER 344 RATS FEMALE	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0
		7	7	6	7	7	7	4	7	6	7	7	7	5	7	5	7	7	7	6	7		4	7
		3	3	7	3	3	3	7	1	5	3	3	4	1	7	3	3	1	6	3	5	3	0	
		2	3	5	1	2	2	0	2	3	3	2	2	1	9	1	2	1	7	1	2	1	2	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
		0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1		

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum Leiomyosarcoma, Metastatic, Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	X	X	+
Mesentery		+		+	+						+	+			+	+				+	+	+
Oral Mucosa Squamous Cell Papilloma																						
Pancreas Acinus, Adenoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Salivary Glands Schwannoma Malignant, Metastatic, Heart	+	+	+	+	+	+	+	+	+	+	+	X	+	+	+	+	+	+	+	+	+	+

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS FEMALE 25 ppm	DAY ON TEST																								ANIMAL ID	females (cont...)
	0732	0733	0735	0731	0733	0732	0740	0762	0763	0773	0773	0773	0754	0771	0751	0773	0773	0767	0773	0744	0773	0773	0773	0773		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0000 0003 0000 0011	

Stomach, Forestomach Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Stomach, Glandular Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	X

CARDIOVASCULAR SYSTEM

Blood Vessel Aorta, Schwannoma Malignant, Metastatic, Heart																									
Heart Leukemia Mononuclear Mesothelioma Malignant Schwannoma Malignant	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	X X X X

ENDOCRINE SYSTEM

Adrenal Cortex Adenoma Carcinoma Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	X X X
Adrenal Medulla Leukemia Mononuclear Pheochromocytoma Benign	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	X X X
Islets, Pancreatic Carcinoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
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Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS FEMALE 25 ppm	DAY ON TEST																									ANIMAL ID	females (cont...)
	0732	0733	0735	0731	0733	0732	0740	0762	0773	0773	0773	0754	0771	0757	0773	0773	0766	0773	0744	0773	0773	0773	0773	0773			
Parathyroid Gland Adenoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	M		
Pituitary Gland Leukemia Mononuclear	+	+	X	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Pars Distalis, Adenoma	X	X	X		X	X		X	X	X	X	X	X				X	X				X	X	X	X		
Pars Distalis, Carcinoma																			X								
Thyroid Gland Schwannoma Malignant, Metastatic, Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
C-cell, Adenoma	X													X										X	X		
C-cell, Carcinoma				X														X									
Follicular Cell, Adenoma													X														
GENERAL BODY SYSTEM																											
Peritoneum																										+	
GENITAL SYSTEM																											
Clitoral Gland Adenoma	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
						X											X		X				X	X			
Ovary Granulosa Cell Tumor Benign	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Granulosa-Theca Tumor Benign	X																										
Leukemia Mononuclear			X			X				X																	
Uterus Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
			X																								

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
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Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS FEMALE 25 ppm	DAY ON TEST																								ANIMAL ID	females (cont...)
	0732	0733	0735	0737	0738	0742	0747	0761	0763	0767	0772	0773	0775	0779	0781	0783	0787	0791	0796	0797	0804	0807	0809	0813		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0030	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0031	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0032	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0033	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0034	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0035	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0036	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0037	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0038	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0039	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0040	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0041	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0042	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0043	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0044	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0045	

Polyp Stromal X X X

Vagina +
 Granular Cell Tumor Benign X
 Leiomyosarcoma

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear			X				X																X	
Lymph Node																								
Deep Cervical, Leukemia Mononuclear																								
Pancreatic, Leukemia Mononuclear																								
Lymph Node, Bronchial	M	M	M	M	M	M	+	M	M	M	M	M	M	M	M	+	M	M	M	M	M	M	M	
Leukemia Mononuclear							X																	
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
Lymph Node, Mediastinal	M	M	M	+	M	+	M	+	M	+	+	+	M	M	M	+	M	M	+	M	+	M	+	
Carcinoma, Metastatic, Thyroid Gland																								
Leukemia Mononuclear												X										X		
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Leukemia Mononuclear			X				X				X											X	X	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Leukemia Mononuclear			X				X				X	X										X	X	
Schwannoma Malignant, Metastatic, Heart													X											

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
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 I .. Insufficient tissue

M .. Missing tissue
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Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS FEMALE 25 ppm	DAY ON TEST																				* TOTALS						
	0661	0733	0732	0535	0771	0771	0771	0771	0668	0669	0551	0663	0662	0663	0663	0663	0663	0773	0773	0772		0666	0666	0667	0777	0777	0777
ANIMAL ID	00326	00337	00338	00339	00340	00341	00342	00343	00344	00345	00346	00347	00348	00349	00350	00351	00352	00353	00354	00355	00356	00357	00358	00359	00360		
Stomach, Forestomach Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 2	
Stomach, Glandular Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 1	
CARDIOVASCULAR SYSTEM																											
Blood Vessel Aorta, Schwannoma Malignant, Metastatic, Heart																										1 1	
Heart Leukemia Mononuclear Mesothelioma Malignant Schwannoma Malignant	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 3 1 1	
ENDOCRINE SYSTEM																											
Adrenal Cortex Adenoma Carcinoma Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 3 1 8	
Adrenal Medulla Leukemia Mononuclear Pheochromocytoma Benign	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 5 5	
Islets, Pancreatic Carcinoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 1	

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Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS FEMALE 25 ppm	DAY ON TEST																								* TOTALS	
	0661	0673	0673	0675	0677	0677	0677	0677	0677	0677	0677	0677	0677	0677	0677	0677	0677	0677	0677	0677	0677	0677	0677	0677		
ANIMAL ID	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
Parathyroid Gland Adenoma	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	M	+	46 1	
Pituitary Gland Leukemia Mononuclear	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49 5	
Pars Distalis, Adenoma	X	X		X	X	X	X				X	X	X	X	X	X	X	X	X	X	X		X	X	36 2	
Pars Distalis, Carcinoma									X																2	
Thyroid Gland Schwannoma Malignant, Metastatic, Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 1	
C-cell, Adenoma													X												4	
C-cell, Carcinoma				X													X		X					X	6	
Follicular Cell, Adenoma																						X			2	
GENERAL BODY SYSTEM																										
Peritoneum																										1
GENITAL SYSTEM																										
Clitoral Gland Adenoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	48 8
Ovary Granulosa Cell Tumor Benign	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 1
Granulosa-Theca Tumor Benign																										1
Leukemia Mononuclear																				X		X				5
Uterus Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 1

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS FEMALE 25 ppm	DAY ON TEST																				* TOTALS					
	0661	0733	0775	0777	0777	0777	0777	0777	0777	0777	0777	0777	0777	0777	0777	0777	0777	0777	0777	0777		0777	0777			
ANIMAL ID	00326	00337	00338	00339	00340	00341	00342	00343	00344	00345	00346	00347	00348	00349	00350	00351	00352	00353	00354	00355	00356	00357	00358	00359	00360	
Polyp Stromal															X			X	X		X	X				9
Vagina																										2
Granular Cell Tumor Benign																										1
Leiomyosarcoma															X											1
HEMATOPOIETIC SYSTEM																										
Bone Marrow																										50
Leukemia Mononuclear																										6
Lymph Node																										2
Deep Cervical, Leukemia Mononuclear																										1
Pancreatic, Leukemia Mononuclear																										1
Lymph Node, Bronchial																										7
Leukemia Mononuclear																										4
Lymph Node, Mandibular																										0
Lymph Node, Mediastinal																										26
Carcinoma, Metastatic, Thyroid Gland																										1
Leukemia Mononuclear																										5
Lymph Node, Mesenteric																										50
Leukemia Mononuclear																										10
Spleen																										50
Leukemia Mononuclear																										11
Schwannoma Malignant, Metastatic, Heart																										1

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS FEMALE 25 ppm	DAY ON TEST																								* TOTALS		
	06 61	07 33	07 32	05 35	07 31	07 31	07 31	07 31	06 89	06 99	05 31	06 69	06 63	06 53	06 25	06 63	06 90	07 33	07 33	07 32	06 63	06 91	06 33	07 72		07 33	07 32
ANIMAL ID	00 32 67	00 33 22	00 33 22	00 33 22	00 33 33	00 33 33	00 33 33	00 33 33	00 33 33	00 33 33	00 33 33	00 33 33	00 33 33	00 33 33	00 33 33	00 33 33	00 33 33	00 33 33	00 33 33	00 33 33	00 33 33	00 33 33	00 33 33	00 33 33	00 33 33	00 33 33	00 33 33

Carcinoma, Metastatic, Pituitary Gland	X	2
Leukemia Mononuclear		1
Oligodendroglioma Benign	X	1

RESPIRATORY SYSTEM

Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Schwannoma Malignant, Metastatic, Heart																												1
Lung	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear				X		X									X		X				X							10
Mesenchymal Tumor Malignant, Metastatic, Kidney																							X					1
Mesothelioma Malignant																												1
Schwannoma Malignant, Metastatic, Heart																												1
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear																												1
Pleura																												1
Mesothelioma Malignant																												1
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Schwannoma Malignant, Metastatic, Heart																												1

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Leukemia Mononuclear																								X				1
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS FEMALE 50 ppm	DAY ON TEST																				ANIMAL ID	females (cont...)		
	0 5 8 3	0 7 3 1	0 7 3 2	0 5 6 3	0 7 3 2	0 7 3 3	0 6 7 4	0 6 7 2	0 7 3 3	0 7 3 2	0 7 3 1	0 6 3 3	0 6 7 2	0 7 3 3	0 7 3 1	0 6 7 3	0 6 7 2	0 7 3 3	0 7 3 2	0 7 3 1				
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Stomach, Glandular Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
CARDIOVASCULAR SYSTEM																								
Heart Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
				X									X						X					
ENDOCRINE SYSTEM																								
Adrenal Cortex Adenoma Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
			X																					
				X								X												
Adrenal Medulla Leukemia Mononuclear Pheochromocytoma Benign Pheochromocytoma Malignant Bilateral, Pheochromocytoma Benign	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
												X										X		
																						X		
																						X		
Islets, Pancreatic Adenoma Carcinoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parathyroid Gland	+	+	M	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	M	+	+	M	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS FEMALE 50 ppm	DAY ON TEST																									females (cont...)	
	0583	0731	0732	0563	0773	0773	0664	0662	0772	0773	0773	0662	0667	0772	0773	0773	0663	0666	0773	0773	0773	0773	0663	0663	0666		
ANIMAL ID	00501	00502	00503	00504	00505	00506	00507	00508	00509	00510	00511	00512	00513	00514	00515	00516	00517	00518	00519	00520	00521	00522	00523	00524	00525		
Leukemia Mononuclear Pars Distalis, Adenoma	X			X					X	X			X		X	X		X		X		X					
Thyroid Gland C-cell, Adenoma C-cell, Carcinoma	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
				X							X		X						X	X							
GENERAL BODY SYSTEM																											
Peritoneum Mesothelioma Malignant																											
GENITAL SYSTEM																											
Clitoral Gland Adenoma	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	M	+	+	+	+	+	
				X																	X						
Ovary Granulosa Cell Tumor Malignant Leukemia Mononuclear Mesothelioma Malignant Yolk Sac Carcinoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
																					X						
Uterus Polyp Stromal Sarcoma Stromal Endometrium, Carcinoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
		X																					X				X
			X	X																							
HEMATOPOIETIC SYSTEM																											
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS FEMALE 50 ppm	DAY ON TEST																				ANIMAL ID	females (cont...)					
	0583	0731	0732	0563	0773	0773	0666	0666	0777	0777	0777	0777	0666	0666	0777	0777	0777	0666	0666	0777			0777	0777	0777	0777	0666
Leukemia Mononuclear				X										X													
Lymph Node Deep Cervical, Leukemia Mononuclear Pancreatic, Leukemia Mononuclear																											+
Lymph Node, Bronchial Leukemia Mononuclear	M	M	M	+	M	M	M	M	M	M	M	M	M	M	+	M	M	+	M	M	M	M	M	M	M	M	
Lymph Node, Mandibular Leukemia Mononuclear	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
Lymph Node, Mediastinal Leukemia Mononuclear	+	M	+	+	M	+	M	M	+	M	M	+	+	+	M	+	M	+	M	+	+	+	M	M	+		
Lymph Node, Mesenteric Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Spleen Leukemia Mononuclear Mesothelioma Malignant	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Thymus Leukemia Mononuclear Thymoma Malignant	+	+	+	+	M	+	M	M	+	+	+	+	+	+	M	+	+	M	+	+	+	+	+	M	+	+	
INTEGUMENTARY SYSTEM																											
Mammary Gland Carcinoma Fibroadenoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
	X	X					X	X	X	X								X	X	X	X	X					

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS FEMALE 50 ppm	DAY ON TEST																								ANIMAL ID	females (cont...)				
	0583	0731	0732	0563	0773	0773	0664	0667	0772	0773	0773	0663	0666	0777	0777	0773	0666	0667	0777	0777	0773	0663	0663	0666			0777	0777	0773	0663
	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
SPECIAL SENSES SYSTEM																														
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lacrimal Gland																														
Zymbal's Gland																														
Carcinoma																														
URINARY SYSTEM																														
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Leukemia Mononuclear				X																										
Renal Tubule, Adenoma																														
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
SYSTEMIC LESIONS																														
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Leukemia Mononuclear				X																										
Mesothelioma Malignant																														

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS FEMALE 50 ppm	DAY ON TEST																				* TOTALS			
	0526	0533	0568	0573	0575	0577	0576	0566	0577	0577	0577	0575	0577	0575	0577	0577	0574	0577	0577	0574		0577		
ANIMAL ID	0052	0055	0058	0059	0060	0061	0062	0063	0064	0065	0066	0067	0068	0069	0070	0071	0072	0073	0074	0075	0076			
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Stomach, Glandular Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	X	+	+	+	+	+	+	+	50 1		
CARDIOVASCULAR SYSTEM																								
Heart Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 9		
X		X		X			X							X						X				
ENDOCRINE SYSTEM																								
Adrenal Cortex Adenoma Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 1 7		
X		X							X				X						X					
Adrenal Medulla Leukemia Mononuclear Pheochromocytoma Benign Pheochromocytoma Malignant Bilateral, Pheochromocytoma Benign	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 4 1 2 1		
+	+	+	+	+	+	+	+	+	X			X						X						
Islets, Pancreatic Adenoma Carcinoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 1 1		
+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	X			
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	45
Pituitary Gland	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	49	

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS FEMALE 50 ppm	DAY ON TEST																				* TOTALS			
	0526	0553	0668	0771	0754	0771	0666	0667	0773	0777	0777	0557	0773	0775	0777	0447	0773	0773	0773	0447		0777	0777	
ANIMAL ID	0052	0055	0006	0007	0005	0007	0006	0006	0007	0007	0007	0005	0007	0005	0007	0007	0004	0007	0007	0007	0004	0007	0007	
Leukemia Mononuclear Pars Distalis, Adenoma		X		X		X	X		X		X	X	X		X	X		X		X	X		X	X
Thyroid Gland C-cell, Adenoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	+	+	+	+	+	
Thyroid Gland C-cell, Carcinoma						X	X							X										
GENERAL BODY SYSTEM																								
Peritoneum Mesothelioma Malignant																								
GENITAL SYSTEM																								
Clitoral Gland Adenoma	+	M	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	
Ovary Granulosa Cell Tumor Malignant	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Ovary Leukemia Mononuclear											X				X									
Ovary Mesothelioma Malignant																								
Ovary Yolk Sac Carcinoma																			X					
Uterus Polyp Stromal	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Uterus Sarcoma Stromal						X																		
Uterus Endometrium, Carcinoma																								
															X									
HEMATOPOIETIC SYSTEM																								
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS FEMALE 50 ppm	DAY ON TEST																				* TOTALS		
	0526	0553	0668	0771	0754	0773	0666	0673	0777	0777	0777	0575	0777	0575	0777	0777	0474	0777	0777	0777		0474	0777
ANIMAL ID	0052	0055	0006	0007	0005	0007	0006	0006	0007	0007	0007	0005	0007	0005	0007	0007	0004	0007	0007	0007	0004	0007	0007
Fibroadenoma, Multiple				X		X					X		X				X						
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Keratoacanthoma																							
Subcutaneous Tissue, Fibroma				X																	X		
Subcutaneous Tissue, Sarcoma																					X		
MUSCULOSKELETAL SYSTEM																							
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Chondroma																							
Skeletal Muscle														+							+		
Mesothelioma Malignant																							
Sarcoma												X											
NERVOUS SYSTEM																							
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
RESPIRATORY SYSTEM																							
Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Alveolar/Bronchiolar Adenoma	X																			X			
Leukemia Mononuclear	X		X		X			X		X				X				X			X		
Pheochromocytoma Malignant, Metastatic, Adrenal Medulla																						X	
Sarcoma, Metastatic, Skeletal Muscle												X											

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS FEMALE 50 ppm	DAY ON TEST																				* TOTALS					
	0526	0533	0668	0771	0775	0776	0666	0667	0777	0777	0777	0575	0777	0575	0777	0777	0474	0777	0777	0777		0474	0777	0777		
ANIMAL ID	0052	0055	0058	0059	0060	0061	0062	0063	0064	0065	0066	0067	0068	0069	0070	0071	0072	0073	0074	0075	0076	0077	0078	0079	0080	
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Lacrimal Gland																									1	
Zymbal's Gland Carcinoma																									1	
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear	X		X		X			X						X				X			X				9	
Renal Tubule, Adenoma																									1	
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
SYSTEMIC LESIONS																										
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear	X		X	X	X			X		X				X				X			X				13	
Mesothelioma Malignant																									1	

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

		DAY ON TEST																				females (cont...)				
FISCHER 344 RATS FEMALE	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0		
		6	3	7	7	7	7	7	7	6	5	7	7	6	6	7	7	6	5	7	6		7	6	6	6
		5	9	0	3	0	2	3	3	4	6	3	3	5	7	3	0	5	7	1	4	3	4	7	5	3
		6	5	5	3	4	5	2	1	2	7	2	3	5	7	1	3	6	9	2	2	2	5	0	5	3
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
		0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hepatocellular Adenoma																									
Hepatocellular Adenoma, Multiple																									
Leukemia Mononuclear	X	X	X	X		X						X		X	X	X	X			X	X	X		X	
Mesentery																									
Lymphoma Malignant		+		+	+			+	+		+	+	+			+		+	+						+
Oral Mucosa																									+
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear	X		X																			X		X	
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS FEMALE 100 ppm	DAY ON TEST																								ANIMAL ID	females (cont...)	
	0656	0395	0705	0773	0774	0775	0776	0777	0778	0661	0552	0772	0773	0666	0667	0777	0778	0666	0557	0777	0667	0667	0667	0667			0667
Pars Distalis, Adenoma			X	X	X		X		X					X	X	X		X		X	X	X	X	X		X	
Pars Distalis, Carcinoma																											
Pars Distalis, Leukemia Mononuclear																											
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
C-cell, Adenoma					X																					X	
C-cell, Carcinoma										X																	
Follicular Cell, Adenoma					X																						
GENERAL BODY SYSTEM																											
Peritoneum																											+
GENITAL SYSTEM																											
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+		
Adenoma																										X	
Carcinoma													X													X	
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Leukemia Mononuclear	X	X	X			X																				X	
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Leukemia Mononuclear	X																										
Polyp Stromal											X	X	X													X	
Endometrium, Carcinoma	X																										
Vagina																										+	
Polyp																										X	

HEMATOPOIETIC SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS FEMALE 100 ppm	DAY ON TEST																				ANIMAL ID	females (cont...)	
	0656	0375	0773	0773	0775	0777	0777	0777	0666	0555	0777	0776	0666	0667	0777	0776	0666	0555	0777	0666			0666
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear	X	X	X			X							X		X					X	X		X
Lymph Node							+																
Deep Cervical, Leukemia Mononuclear																							+
Pancreatic, Leukemia Mononuclear								X															X
Renal, Lymphoma Malignant																							
Lymph Node, Bronchial	+	M	M	M	M	M	M	M	+	M	M	M	M	M	M	M	+	M	M	M	M	M	M
Leukemia Mononuclear	X																						
Lymph Node, Mandibular	+	M	M	M	M	M	M	M	+	M	M	M	M	M	+	M	M	M	M	M	M	M	M
Leukemia Mononuclear															X								
Lymph Node, Mediastinal	+	+	+	+	+	+	+	+	M	M	+	+	+	M	+	+	+	M	+	+	+	+	+
Leukemia Mononuclear	X	X	X			X								X	X	X			X	X	X		X
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma																							
Leukemia Mononuclear	X	X	X	X		X						X		X	X	X			X	X	X		X
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear	X	X	X	X		X						X		X	X	X			X	X	X		X
Thymus	+	+	+	+	+	+	+	+	+	+	+	M	+	M	+	M	M	+	+	+	+	M	+
Leukemia Mononuclear	X		X			X									X				X			M	+

INTEGUMENTARY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS FEMALE 100 ppm	DAY ON TEST																									ANIMAL ID	females (cont...)
	0656	0375	0773	0773	0774	0775	0776	0777	0666	0555	0777	0777	0666	0666	0777	0777	0666	0555	0777	0666	0777	0666	0666	0666	0777		
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Carcinoma				X			X												X								
Fibroadenoma			X	X	X	X		X	X			X			X	X					X	X	X	X			
Fibroadenoma, Multiple							X				X	X			X												
Leukemia Mononuclear	X																										
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
MUSCULOSKELETAL SYSTEM																											
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
NERVOUS SYSTEM																											
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Carcinoma, Metastatic, Pituitary Gland																											
Leukemia Mononuclear	X						X																				
Oligodendroglioma Malignant																											
RESPIRATORY SYSTEM																											
Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Alveolar/Bronchiolar Carcinoma, Multiple																											
Leukemia Mononuclear	X	X	X			X							X	X	X	X			X		X		X				
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Chondroma																			X								
Leukemia Mononuclear	X		X			X								X	X									X			

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS FEMALE 100 ppm	DAY ON TEST																								* TOTALS			
	0628	0717	0673	0773	0773	0679	0772	0772	0771	0773	0772	0132	0676	0771	0677	0767	0676	0773	0773	0586	0773	0669	0673	0676		0769	0678	0679
ANIMAL ID	00726	00772	00778	00777	00777	00777	00777	00777	00777	00777	00777	00777	00777	00777	00777	00777	00777	00777	00777	00777	00777	00777	00777	00777	00777	00777	00777	00777
Leukemia Mononuclear																												1
Stomach, Forestomach Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 5
Stomach, Glandular Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 4
CARDIOVASCULAR SYSTEM																												
Heart Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 9
ENDOCRINE SYSTEM																												
Adrenal Cortex Adenoma Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 1 17
Adrenal Medulla Leukemia Mononuclear Pheochromocytoma Benign Bilateral, Pheochromocytoma Benign	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49 13 1 1
Islets, Pancreatic Adenoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 1
Parathyroid Gland	+	+	+	+	+	M	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Pituitary Gland Leukemia Mononuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49 9

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS FEMALE 100 ppm	DAY ON TEST																								* TOTALS
	0628	0717	0683	0773	0773	0679	0772	0772	0771	0773	0167	0676	0771	0676	0774	0666	0773	0588	0773	0667	0667	0773	0676		
ANIMAL ID	00726	00727	00728	00729	00730	00731	00732	00733	00734	00735	00736	00737	00738	00739	00740	00741	00742	00743	00744	00745	00746	00747	00748	00749	
Pars Distalis, Adenoma		X	X	X		X			X		X		X	X			X		X		X	X			
Pars Distalis, Carcinoma							X																		
Pars Distalis, Leukemia Mononuclear																									
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
C-cell, Adenoma				X		X	X	X	X					X		X									
C-cell, Carcinoma																									
Follicular Cell, Adenoma																									
GENERAL BODY SYSTEM																									
Peritoneum																								1	
GENITAL SYSTEM																									
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	48	
Adenoma																X	X							4	
Carcinoma				X																				5	
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear			X						X					X					X	X			X	13	
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear		X																	X	X				4	
Polyp Stromal											X								X	X			X	8	
Endometrium, Carcinoma																								1	
Vagina																								1	
Polyp																								1	

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS FEMALE 100 ppm	DAY ON TEST																								* TOTALS
	0628	0717	0683	0773	0773	0669	0772	0773	0773	0773	0773	0773	0773	0773	0773	0773	0773	0773	0773	0773	0773	0773	0773	0773	
ANIMAL ID	00726	00727	00728	00729	00730	00731	00732	00733	00734	00735	00736	00737	00738	00739	00740	00741	00742	00743	00744	00745	00746	00747	00748	00749	00750
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear		X								X			X	X						X	X	X		X	17
Lymph Node	+		+							+										+	+	+		+	9
Deep Cervical, Leukemia Mononuclear										X														X	3
Pancreatic, Leukemia Mononuclear			X							X										X	X	X		X	7
Renal, Lymphoma Malignant	X																								1
Lymph Node, Bronchial	+	+	M	M	M	M	M	M	M	M	M	M	M	+	+	+	+	M	M	M	+	M	M	M	10
Leukemia Mononuclear		X												X							X				4
Lymphoma Malignant	X																								1
Lymph Node, Mandibular	+	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	4
Leukemia Mononuclear																									1
Lymphoma Malignant	X																								1
Lymph Node, Mediastinal	M	+	M	+	+	+	+	+	+	+	M	+	+	+	M	M	+	M	+	+	+	+	M	+	38
Leukemia Mononuclear		X					X		X				X	X						X	X	X		X	19
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Histiocytic Sarcoma															X										1
Leukemia Mononuclear		X	X				X		X				X	X						X	X	X		X	23
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear		X	X				X		X				X	X						X	X	X	X		25
Thymus	+	+	M	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	42	
Leukemia Mononuclear		X					X		X				X	X						X	X			X	13

INTEGUMENTARY SYSTEM

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Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:50
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

FISCHER 344 RATS FEMALE 100 ppm	DAY ON TEST																								* TOTALS
	0628	0717	0618	0703	0703	0606	0707	0707	0707	0707	0707	0707	0707	0707	0707	0707	0707	0707	0707	0707	0707	0707	0707		
ANIMAL ID	00726	00777	00777	00777	00777	00777	00777	00777	00777	00777	00777	00777	00777	00777	00777	00777	00777	00777	00777	00777	00777	00777	00777		
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Carcinoma					X																			4	
Fibroadenoma	X			X	X	X	X					X	X		X	X		X		X		X		25	
Fibroadenoma, Multiple		X	X		X		X		X		X			X					X		X			14	
Leukemia Mononuclear																								1	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
MUSCULOSKELETAL SYSTEM																									
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
NERVOUS SYSTEM																									
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Carcinoma, Metastatic, Pituitary Gland										X														1	
Leukemia Mononuclear		X																X				X		5	
Oligodendroglioma Malignant															X									1	
RESPIRATORY SYSTEM																									
Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Alveolar/Bronchiolar Carcinoma, Multiple																						X		1	
Leukemia Mononuclear		X	X			X	X			X	X						X	X	X				X	21	
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Chondroma																								1	
Leukemia Mononuclear												X	X					X			X			10	

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	0628	0777	0673	0773	0773	0666	0777	0777	0777	0777	0777	0116	0677	0677	0777	0677	0777	0575	0776	0666	0777	0666	0777		
ANIMAL ID	00726	00777	00773	00771	00771	00779	00772	00772	00771	00773	00772	00776	00771	00777	00776	00771	00774	00776	00773	00773	00776	00771	00777		
Respiratory Epithelium, Adenoma							X																	1	
Pleura																								1	
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
SPECIAL SENSES SYSTEM																									
Eye	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Lacrimal Gland																								1	
URINARY SYSTEM																									
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear		X					X		X				X	X					X	X	X		X	18	
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Leukemia Mononuclear														X					X				X	4	
SYSTEMIC LESIONS																									
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Histiocytic Sarcoma																X								1	
Leukemia Mononuclear		X	X				X		X				X	X					X	X	X	X		25	
Lymphoma Malignant	X																							1	

*** END OF REPORT ***

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