

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Vinylidene chloride
CAS Number: 75-35-4

Date Report Requested: 12/12/2011
Time Report Requested: 09:47:55
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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FISCHER 344 RATS MALE Control	DAY ON TEST																									males (cont...)
	0677	0662	0679	0673	0651	0677	0677	0677	0677	0677	0677	0666	0677	0677	0666	0666	0677	0677	0633	0677	0666	0677	0666	0666		
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		
Hyperplasia, Lymphoid				2						3																
Lymph Node, Mesenteric Hyperplasia, Lymphoid	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Spleen Fibrosis Hematopoietic Cell Proliferation Hyperplasia, Stromal	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Thymus	+	M	+	+	+	+	+	+	+	+	+	M	M	+	M	+	+	+	+	+	+	+	+			
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	+	+	+	M	+	+	+	+	+	M	+	+	+	M	M	M	M	+	+	M	M	+	+		
Skin Cyst Epithelial Inclusion Hyperplasia, Squamous Inflammation, Chronic Active	+	+	+	+	+	+	+	+	+	+	+	X			X											
													1													
													4													
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Skeletal Muscle																								+		
NERVOUS SYSTEM																										
Brain Hemorrhage	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
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FISCHER 344 RATS MALE	DAY ON TEST																								* TOTALS
	04	05	07	06	07	07	05	07	07	05	06	06	07	07	07	07	06	06	07	06	07	07	05		
Control	9	5	3	3	2	3	9	2	2	6	9	1	3	3	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	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	0	0	0	0	
	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 Inflammation, Acute Necrosis	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	48	1 4.0 1 3.0
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	47	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	I	A	+	+	+	+	+	+	+	+	+	+	+	+	+	46	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	47	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	47	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	47	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Basophilic Focus	X							X	X			X	X	X		X	X		X			X		15		
Clear Cell Focus			X			X		X	X			X		X	X		X				X	X		22		
Degeneration, Cystic					2															2				2 2.0		
Eosinophilic Focus											X								X		X			3		
Fatty Change, Diffuse						4			1															4 2.0		
Hepatodiaphragmatic Nodule											X													1		
Inflammation, Chronic				1				1	1					1	1	1	1	1		1			1	28 1.0		
Inflammation, Chronic Active				1																				1 1.0		
Mixed Cell Focus														X										1		
Necrosis																							2	2 2.5		
Bile Duct, Hyperplasia			1		1	1	2	1		2	2	2	1	1	2	1	1	1	2	1	2	2	1	1	38 1.3	

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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		05		
ANIMAL ID	09	05	03	03	02	03	09	02	02	06	09	01	03	03	02	02	09	05	04	05	03	01	07	02	02	06		
	02	01	00	05	09	00	01	09	09	04	08	04	00	00	00	00	00	00	00	00	00	00	00	00	00	00		
Mesentery			+		+	+				+		+			+	+			+		+				+	16		
Inflammation, Chronic Active											2															2	2.0	
Fat, Necrosis			2		2	2						2			2	2			2		2					13	2.0	
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Atrophy	1	2				2	3			2			3			2			1	2			2			21	2.0	
Basophilic Focus																										1		
Hyperplasia			2																							4	2.3	
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Mineralization																										1	3.0	
Ulcer		4		3							3															4	3.3	
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	49		
Mineralization																										1	3.0	
Tooth																										1		
Dysplasia																										1	3.0	
CARDIOVASCULAR SYSTEM																												
Blood Vessel																											1	
Aorta, Mineralization																											1	3.0
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Cardiomyopathy	1		3	1		1		1	1	2	2	3	2	1	2	1	2		2	1			1	1	2	42	1.6	
Mineralization																										1	3.0	
Thrombosis											1														4	3	2.3	

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	04	05	07	06	07	07	05	07	07	05	06	06	07	07	07	07	06	06	07	06	07	07	05		
Control	9	5	3	3	2	3	9	2	2	6	9	1	3	3	2	2	4	5	3	1	7	2	2	6	49
	2	1	0	5	9	0	1	9	9	4	8	4	0	0	9	9	9	5	4	0	7	0	9	2	26
	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
	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	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	5	1
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	2

ENDOCRINE SYSTEM

Adrenal Cortex Hyperplasia	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	49	26	2.0
Hyperplasia	2		2			2		2			2				2		2		2		2		2		1	2.0	
Hyperplasia																											
Adrenal Medulla Hyperplasia	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	49	25	2.2
Hyperplasia			2	2			2	2	3		2		3	2				2	2			2	2	3			
Islets, Pancreatic Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1	3.0
Hyperplasia																											
Parathyroid Gland Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1	3.0
Hyperplasia																											
Pituitary Gland Pars Distalis, Angiectasis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	2	2.0
Pars Distalis, Hyperplasia			2						3									2					2		10	2.6	
Pars Intermedia, Angiectasis																									1	2.0	
Pars Intermedia, Hyperplasia																									1	2.0	
Thyroid Gland C-cell, Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	15	1.1
Hyperplasia	1	1						1	2								1	1			1	1		1	2	2.0	
Follicular Cell, Hyperplasia							2																				

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

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	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	03	01	07	02	02	09	
	02	01	00	05	09	00	01	09	04	08	04	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	
	02	02	02	02	03	03	03	03	03	03	03	03	03	03	04	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	
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Preputial Gland Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 1 2.0	
Prostate Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 5 1.8	
Inflammation, Suppurative				2		2			2								2						2	4 2.0	
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48	
Testes Atrophy	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 9 3.1	
Hemorrhage					3								4	3	4								3	1 2.0	
Interstitial Cell, Hyperplasia	2																1							4 1.3	
HEMATOPOIETIC SYSTEM																									
Bone Marrow Hyperplasia, Reticulum Cell	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	49 1 4.0	
Lymph Node Pancreatic, Hyperplasia, Lymphoid							+			+	+													6 1 2.0	
Lymph Node, Bronchial Hyperplasia, Lymphoid	M	+	M	M	+	M	M	M	M	+	M	+	M	M	M	M	M	M	M	M	M	M	M	8 1 2.0	
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	1	
Lymph Node, Mediastinal Ectasia	M	M	+	M	+	M	+	M	+	M	+	M	M	M	+	+	+	M	+	+	+	+	+	28 1 2.0	

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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		
	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	33	33	33	33	33	33	33	33	33	33		
	67	67	68	69	00	01	02	03	04	05	06	07	08	09	00	01	02	03	04	05	06	07	08	09		
Hyperplasia, Lymphoid																								2 2.5		
Lymph Node, Mesenteric Hyperplasia, Lymphoid	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 1 2.0		
Spleen Fibrosis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 3 2.3		
Hematopoietic Cell Proliferation	2																							3 2.3		
Hyperplasia, Stromal																								3 2.3 1 3.0		
Thymus	+	+	M	+	+	+	+	+	+	I	+	+	+	M	+	+	+	+	+	+	+	M	+	+	+	42
INTEGUMENTARY SYSTEM																										
Mammary Gland	+	M	M	+	+	+	+	+	M	+	M	M	+	+	+	+	+	+	M	+	+	+	+	+	+	36
Skin Cyst Epithelial Inclusion	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 4 3.0
Hyperplasia, Squamous					X					3															1 1.0	
Inflammation, Chronic Active	4																								2 4.0	
MUSCULOSKELETAL SYSTEM																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Skeletal Muscle										+															+	3
NERVOUS SYSTEM																										
Brain Hemorrhage	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 1 2.0

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Control	9	5	3	3	2	3	9	2	2	6	9	1	3	3	2	2	4	5	3	1	7	2	2	6	
	2	1	0	5	9	0	1	9		4	8	4	0	0	9	9	5	4	0	7	0	9	9	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	0	0	0	0	
	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	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	

Peripheral Nerve	2
Spinal Cord	2

RESPIRATORY SYSTEM

Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Inflammation, Chronic Active							2																			1 2.0
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Foreign Body																										1
Inflammation, Chronic Active																						1				2 2.5
Mineralization																										1 3.0
Thrombosis																							2			1 2.0
Alveolar Epithelium, Hyperplasia								1							1											7 1.1
Mediastinum, Inflammation, Granulomatous																										1 3.0
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Foreign Body															X											2
Inflammation, Acute																										2 2.0
Inflammation, Chronic Active							2			1					2		1		1		1					9 1.2
Thrombosis											2									2			3			4 2.3
Olfactory Epithelium, Metaplasia, Respiratory							1							1						1						3 1.0
Respiratory Epithelium, Hyperplasia							2			1					2				2							5 1.6
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	48	
Cataract															4	2										3 3.0

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:55
 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	0681	0691	0701	0711	0721	0731	0741	0751	0761	0771	0781	0791	0801	0811	0821	0831	0841	0851	0861	0871	0881	0891			0901	0911	0921	0931	0941	0951	0961	0971	0981	0991	1001	1011	1021	1031	1041	1051	1061	1071	1081	1091	1101	1111	1121	1131	1141	1151	1161	1171	1181	1191	1201	1211	1221	1231	1241	1251	1261	1271	1281	1291	1301	1311	1321	1331	1341	1351	1361	1371	1381	1391	1401	1411	1421	1431	1441	1451	1461	1471	1481	1491	1501	1511	1521	1531	1541	1551	1561	1571	1581	1591	1601	1611	1621	1631	1641	1651	1661	1671	1681	1691	1701	1711	1721	1731	1741	1751	1761	1771	1781	1791	1801	1811	1821	1831	1841	1851	1861	1871	1881	1891	1901	1911	1921	1931	1941	1951	1961	1971	1981	1991	2001	2011	2021	2031	2041	2051	2061	2071	2081	2091	2101	2111	2121	2131	2141	2151	2161	2171	2181	2191	2201	2211	2221	2231	2241	2251	2261	2271	2281	2291	2301	2311	2321	2331	2341	2351	2361	2371	2381	2391	2401	2411	2421	2431	2441	2451	2461	2471	2481	2491	2501	2511	2521	2531	2541	2551	2561	2571	2581	2591	2601	2611	2621	2631	2641	2651	2661	2671	2681	2691	2701	2711	2721	2731	2741	2751	2761	2771	2781	2791	2801	2811	2821	2831	2841	2851	2861	2871	2881	2891	2901	2911	2921	2931	2941	2951	2961	2971	2981	2991	3001	3011	3021	3031	3041	3051	3061	3071	3081	3091	3101	3111	3121	3131	3141	3151	3161	3171	3181	3191	3201	3211	3221	3231	3241	3251	3261	3271	3281	3291	3301	3311	3321	3331	3341	3351	3361	3371	3381	3391	3401	3411	3421	3431	3441	3451	3461	3471	3481	3491	3501	3511	3521	3531	3541	3551	3561	3571	3581	3591	3601	3611	3621	3631	3641	3651	3661	3671	3681	3691	3701	3711	3721	3731	3741	3751	3761	3771	3781	3791	3801	3811	3821	3831	3841	3851	3861	3871	3881	3891	3901	3911	3921	3931	3941	3951	3961	3971	3981	3991	4001	4011	4021	4031	4041	4051	4061	4071	4081	4091	4101	4111	4121	4131	4141	4151	4161	4171	4181	4191	4201	4211	4221	4231	4241	4251	4261	4271	4281	4291	4301	4311	4321	4331	4341	4351	4361	4371	4381	4391	4401	4411	4421	4431	4441	4451	4461	4471	4481	4491	4501	4511	4521	4531	4541	4551	4561	4571	4581	4591	4601	4611	4621	4631	4641	4651	4661	4671	4681	4691	4701	4711	4721	4731	4741	4751	4761	4771	4781	4791	4801	4811	4821	4831	4841	4851	4861	4871	4881	4891	4901	4911	4921	4931	4941	4951	4961	4971	4981	4991	5001	5011	5021	5031	5041	5051	5061	5071	5081	5091	5101	5111	5121	5131	5141	5151	5161	5171	5181	5191	5201	5211	5221	5231	5241	5251	5261	5271	5281	5291	5301	5311	5321	5331	5341	5351	5361	5371	5381	5391	5401	5411	5421	5431	5441	5451	5461	5471	5481	5491	5501	5511	5521	5531	5541	5551	5561	5571	5581	5591	5601	5611	5621	5631	5641	5651	5661	5671	5681	5691	5701	5711	5721	5731	5741	5751	5761	5771	5781	5791	5801	5811	5821	5831	5841	5851	5861	5871	5881	5891	5901	5911	5921	5931	5941	5951	5961	5971	5981	5991	6001	6011	6021	6031	6041	6051	6061	6071	6081	6091	6101	6111	6121	6131	6141	6151	6161	6171	6181	6191	6201	6211	6221	6231	6241	6251	6261	6271	6281	6291	6301	6311	6321	6331	6341	6351	6361	6371	6381	6391	6401	6411	6421	6431	6441	6451	6461	6471	6481	6491	6501	6511	6521	6531	6541	6551	6561	6571	6581	6591	6601	6611	6621	6631	6641	6651	6661	6671	6681	6691	6701	6711	6721	6731	6741	6751	6761	6771	6781	6791	6801	6811	6821	6831	6841	6851	6861	6871	6881	6891	6901	6911	6921	6931	6941	6951	6961	6971	6981	6991	7001	7011	7021	7031	7041	7051	7061	7071	7081	7091	7101	7111	7121	7131	7141	7151	7161	7171	7181	7191	7201	7211	7221	7231	7241	7251	7261	7271	7281	7291	7301	7311	7321	7331	7341	7351	7361	7371	7381	7391	7401	7411	7421	7431	7441	7451	7461	7471	7481	7491	7501	7511	7521	7531	7541	7551	7561	7571	7581	7591	7601	7611	7621	7631	7641	7651	7661	7671	7681	7691	7701	7711	7721	7731	7741	7751	7761	7771	7781	7791	7801	7811	7821	7831	7841	7851	7861	7871	7881	7891	7901	7911	7921	7931	7941	7951	7961	7971	7981	7991	8001	8011	8021	8031	8041	8051	8061	8071	8081	8091	8101	8111	8121	8131	8141	8151	8161	8171	8181	8191	8201	8211	8221	8231	8241	8251	8261	8271	8281	8291	8301	8311	8321	8331	8341	8351	8361	8371	8381	8391	8401	8411	8421	8431	8441	8451	8461	8471	8481	8491	8501	8511	8521	8531	8541	8551	8561	8571	8581	8591	8601	8611	8621	8631	8641	8651	8661	8671	8681	8691	8701	8711	8721	8731	8741	8751	8761	8771	8781	8791	8801	8811	8821	8831	8841	8851	8861	8871	8881	8891	8901	8911	8921	8931	8941	8951	8961	8971	8981	8991	9001	9011	9021	9031	9041	9051	9061	9071	9081	9091	9101	9111	9121	9131	9141	9151	9161	9171	9181	9191	9201	9211	9221	9231	9241	9251	9261	9271	9281	9291	9301	9311	9321	9331	9341	9351	9361	9371	9381	9391	9401	9411	9421	9431	9441	9451	9461	9471	9481	9491	9501	9511	9521	9531	9541	9551	9561	9571	9581	9591	9601	9611	9621	9631	9641	9651	9661	9671	9681	9691	9701	9711	9721	9731	9741	9751	9761	9771	9781	9791	9801	9811	9821	9831	9841	9851	9861	9871	9881	9891	9901	9911	9921	9931	9941	9951	9961	9971	9981	9991	10001	10011	10021	10031	10041	10051	10061	10071	10081	10091	10101	10111	10121	10131	10141	10151	10161	10171	10181	10191	10201	10211	10221	10231	10241	10251	10261	10271	10281	10291	10301	10311	10321	10331	10341	10351	10361	10371	10381	10391	10401	10411	10421	10431	10441	10451	10461	10471	10481	10491	10501	10511	10521	10531	10541	10551	10561	10571	10581	10591	10601	10611	10621	10631	10641	10651	10661	10671	10681	10691	10701	10711	10721	10731	10741	10751	10761	10771	10781	10791	10801	10811	10821	10831	10841	10851	10861	10871	10881	10891	10901	10911	10921	10931	10941	10951	10961	10971	10981	10991	11001	11011	11021	11031	11041	11051	11061	11071	11081	11091	11101	11111	11121	11131	11141	11151	11161	11171	11181	11191	11201	11211	11221	11231	11241	11251	11261	11271	11281	11291	11301	11311	11321	11331	11341	11351	11361	11371	11381	11391	11401	11411	11421	11431	11441	11451	11461	11471	11481	11491	11501	11511	11521	11531	11541	11551	11561	11571	11581	11591	11601	11611	11621	11631	11641	11651	11661	11671	11681	11691	11701	11711	11721	11731	11741	11751	11761	11771	11781	11791	11801	11811	11821	11831	11841	11851	11861	11871	11881	11891	11901	11911	11921	11931	11941	11951	11961	11971	11981	11991	12001	12011	12021	12031	12041	12051	12061	12071	12081	12091	12101	12111	12121	12131	12141	12151	12161	12171	12181	12191	12201	12211	12221	12231	12241	12251	12261	12271	12281	12291	12301	12311	12321	12331	12341	12351	12361	12371	12381	12391	12401	12411	12421	12431	12441	12451	12461	12471	12481	12491	12501	12511	12521	12531	12541	12551	12561	12571	12581	12591	12601	12611	12621	12631	12641	12651	12661	12671	12681	12691	12701	12711	12721	12731	12741	12751	12761	12771	12781	12791	12801	12811	12821	12831	12841	12851	12861	12871	12881	12891	12901	12911	12921	12931	12941	12951	12961	12971	12981	12991	13001	13011	13021	13031	13041	13051	13061	13071	13081	13091	13101	13111	13121	13131	13141	13151	13161	13171	13181	13191	13201	13211	13221	13231	13241	13251	13261	13271	13281	13291	13301	13311	13321	13331	13341	13351	13361	13371	13381	13391	13401	13411	13421	13431	13441	13451	13461	13471	13481	13491	13501	13511	13521	13531	13541

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:55
 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	0740	0741	0742	0743	0749	0750	0756	0757	0762	0763	0766	0767	0773	0774	0775	0776	0781	0782	0783	0789	
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	
Fat, Necrosis		2		2				2	2						2								2		
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Atrophy		2				3				1			1	1			1			3	3		2	16	
Hyperplasia		1						3							2									5	
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Atrophy	2																						1		
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Hyperplasia, Squamous																			3				2		
Inflammation, Chronic Active																							2		
Ulcer																						1	3		
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Tongue																							1		
CARDIOVASCULAR SYSTEM																									
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Cardiomyopathy	1	2	1	2	3	3	2	3		1	1	1	2		2	2	1	2	1	1	1	2	41		
Inflammation, Chronic Active									3														1		
Thrombosis															2								3		
ENDOCRINE SYSTEM																									
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Hyperplasia		2	2	2	2	2		2		2		2	2	2		2		2	2			2	27		
Hypertrophy																					2		2		
Necrosis																		3					2		

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:55
 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	0772	0777	0779	0782	0789	0790	0792	0793	0794	0795	0796	0797	0798	0799	0800	0801	0802	0803	0804	0805	
ANIMAL ID	002226	00007	00008	00009	00010	00011	00012	00013	00014	00015	00016	00017	00018	00019	00020	00021	00022	00023	00024	00025	00026	00027	00028	00029	
Hyperplasia	2						3						2												
Inflammation, Suppurative									2																
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Atrophy	4								3						4									10 3.7	
Hemorrhage																								1 1.0	
Hyperplasia, Mesothelium																			1					2 1.0	
Arteriole, Inflammation																								1 3.0	
Interstitial Cell, Hyperplasia							2			2														4 1.5	
Tunic, Hyperplasia			1																1					2 1.0	
HEMATOPOIETIC SYSTEM																									
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Lymph Node																							+	4	
Lymph Node, Bronchial Ectasia	M	M	M	M	M	M	M	M	M	M	M	+	M	M	M	M	M	M	M	M	M	+	M	9 1 3.0	
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	1	
Lymph Node, Mediastinal	M	+	M	+	M	+	M	+	M	M	+	M	M	M	+	M	M	M	+	+	+	+	+	21	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hematopoietic Cell Proliferation																								1 2.0	
Necrosis										2														1 2.0	

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
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 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	0749	0770	0773	0779	0789	0796	0799	0804	0805	0807	0811	0816	0827	0831	0834	0839		0849	0857	0877	0879	0892	0893	0899		
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	0023	0023	0023		
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Foreign Body	X					X																						2		
Inflammation, Chronic Active	2	3	1	1	1	2	3	4	1		2		4	1		3	2	2		1	2					2	36	2.0		
Thrombosis										4																		4	3.0	
Olfactory Epithelium, Metaplasia, Respiratory	2	4	3	3	2	2	3	4	2	2	2	3	2	2	3	2	2		2	2	2	2	2	3			49	2.5		
Respiratory Epithelium, Hyperplasia		2				1	1	2				1									2							8	1.5	
Turbinate, Atrophy	2	3	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	3	2	2	2	2	3	2			50	2.2		
Turbinate, Hyperostosis	3	2	2	2	2	2	3	1	2	2	2	2	1	3	2	1	2	1	2	3	3	2	2	2			49	2.1		
Pleura																												1		
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49		
SPECIAL SENSES SYSTEM																														
Eye	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48			
Cataract																					2							1	2.0	
Degeneration																												1	4.0	
Cornea, Inflammation, Acute													2															1	2.0	
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49			
Hyperplasia																				1						1		2	1.0	
Zymbal's Gland														+														1		
URINARY SYSTEM																														
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Cyst													2																1	2.0
Hydronephrosis																													1	3.0
Inflammation, Suppurative										2																			2	2.0

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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BLANK .. Not examined microscopically

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

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:55
 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	0735	0740	0745	0750	0755	0760	0765	0770	0775	0780	0785	0790	0795	0800	0805	0810	0815	0820	0825			0830	0835	0840	0845	0850	0855	0860	0865	0870	0875	0880	0885	0890	0895	0900	0905	0910	0915	0920	0925	0930	0935	0940	0945	0950	0955	0960	0965	0970	0975	0980	0985	0990	0995	1000	1005	1010	1015	1020	1025	1030	1035	1040	1045	1050	1055	1060	1065	1070	1075	1080	1085	1090	1095	1100	1105	1110	1115	1120	1125	1130	1135	1140	1145	1150	1155	1160	1165	1170	1175	1180	1185	1190	1195	1200	1205	1210	1215	1220	1225	1230	1235	1240	1245	1250	1255	1260	1265	1270	1275	1280	1285	1290	1295	1300	1305	1310	1315	1320	1325	1330	1335	1340	1345	1350	1355	1360	1365	1370	1375	1380	1385	1390	1395	1400	1405	1410	1415	1420	1425	1430	1435	1440	1445	1450	1455	1460	1465	1470	1475	1480	1485	1490	1495	1500	1505	1510	1515	1520	1525	1530	1535	1540	1545	1550	1555	1560	1565	1570	1575	1580	1585	1590	1595	1600	1605	1610	1615	1620	1625	1630	1635	1640	1645	1650	1655	1660	1665	1670	1675	1680	1685	1690	1695	1700	1705	1710	1715	1720	1725	1730	1735	1740	1745	1750	1755	1760	1765	1770	1775	1780	1785	1790	1795	1800	1805	1810	1815	1820	1825	1830	1835	1840	1845	1850	1855	1860	1865	1870	1875	1880	1885	1890	1895	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050	2055	2060	2065	2070	2075	2080	2085	2090	2095	2100	2105	2110	2115	2120	2125	2130	2135	2140	2145	2150	2155	2160	2165	2170	2175	2180	2185	2190	2195	2200	2205	2210	2215	2220	2225	2230	2235	2240	2245	2250	2255	2260	2265	2270	2275	2280	2285	2290	2295	2300	2305	2310	2315	2320	2325	2330	2335	2340	2345	2350	2355	2360	2365	2370	2375	2380	2385	2390	2395	2400	2405	2410	2415	2420	2425	2430	2435	2440	2445	2450	2455	2460	2465	2470	2475	2480	2485	2490	2495	2500	2505	2510	2515	2520	2525	2530	2535	2540	2545	2550	2555	2560	2565	2570	2575	2580	2585	2590	2595	2600	2605	2610	2615	2620	2625	2630	2635	2640	2645	2650	2655	2660	2665	2670	2675	2680	2685	2690	2695	2700	2705	2710	2715	2720	2725	2730	2735	2740	2745	2750	2755	2760	2765	2770	2775	2780	2785	2790	2795	2800	2805	2810	2815	2820	2825	2830	2835	2840	2845	2850	2855	2860	2865	2870	2875	2880	2885	2890	2895	2900	2905	2910	2915	2920	2925	2930	2935	2940	2945	2950	2955	2960	2965	2970	2975	2980	2985	2990	2995	3000	3005	3010	3015	3020	3025	3030	3035	3040	3045	3050	3055	3060	3065	3070	3075	3080	3085	3090	3095	3100	3105	3110	3115	3120	3125	3130	3135	3140	3145	3150	3155	3160	3165	3170	3175	3180	3185	3190	3195	3200	3205	3210	3215	3220	3225	3230	3235	3240	3245	3250	3255	3260	3265	3270	3275	3280	3285	3290	3295	3300	3305	3310	3315	3320	3325	3330	3335	3340	3345	3350	3355	3360	3365	3370	3375	3380	3385	3390	3395	3400	3405	3410	3415	3420	3425	3430	3435	3440	3445	3450	3455	3460	3465	3470	3475	3480	3485	3490	3495	3500	3505	3510	3515	3520	3525	3530	3535	3540	3545	3550	3555	3560	3565	3570	3575	3580	3585	3590	3595	3600	3605	3610	3615	3620	3625	3630	3635	3640	3645	3650	3655	3660	3665	3670	3675	3680	3685	3690	3695	3700	3705	3710	3715	3720	3725	3730	3735	3740	3745	3750	3755	3760	3765	3770	3775	3780	3785	3790	3795	3800	3805	3810	3815	3820	3825	3830	3835	3840	3845	3850	3855	3860	3865	3870	3875	3880	3885	3890	3895	3900	3905	3910	3915	3920	3925	3930	3935	3940	3945	3950	3955	3960	3965	3970	3975	3980	3985	3990	3995	4000	4005	4010	4015	4020	4025	4030	4035	4040	4045	4050	4055	4060	4065	4070	4075	4080	4085	4090	4095	4100	4105	4110	4115	4120	4125	4130	4135	4140	4145	4150	4155	4160	4165	4170	4175	4180	4185	4190	4195	4200	4205	4210	4215	4220	4225	4230	4235	4240	4245	4250	4255	4260	4265	4270	4275	4280	4285	4290	4295	4300	4305	4310	4315	4320	4325	4330	4335	4340	4345	4350	4355	4360	4365	4370	4375	4380	4385	4390	4395	4400	4405	4410	4415	4420	4425	4430	4435	4440	4445	4450	4455	4460	4465	4470	4475	4480	4485	4490	4495	4500	4505	4510	4515	4520	4525	4530	4535	4540	4545	4550	4555	4560	4565	4570	4575	4580	4585	4590	4595	4600	4605	4610	4615	4620	4625	4630	4635	4640	4645	4650	4655	4660	4665	4670	4675	4680	4685	4690	4695	4700	4705	4710	4715	4720	4725	4730	4735	4740	4745	4750	4755	4760	4765	4770	4775	4780	4785	4790	4795	4800	4805	4810	4815	4820	4825	4830	4835	4840	4845	4850	4855	4860	4865	4870	4875	4880	4885	4890	4895	4900	4905	4910	4915	4920	4925	4930	4935	4940	4945	4950	4955	4960	4965	4970	4975	4980	4985	4990	4995	5000	5005	5010	5015	5020	5025	5030	5035	5040	5045	5050	5055	5060	5065	5070	5075	5080	5085	5090	5095	5100	5105	5110	5115	5120	5125	5130	5135	5140	5145	5150	5155	5160	5165	5170	5175	5180	5185	5190	5195	5200	5205	5210	5215	5220	5225	5230	5235	5240	5245	5250	5255	5260	5265	5270	5275	5280	5285	5290	5295	5300	5305	5310	5315	5320	5325	5330	5335	5340	5345	5350	5355	5360	5365	5370	5375	5380	5385	5390	5395	5400	5405	5410	5415	5420	5425	5430	5435	5440	5445	5450	5455	5460	5465	5470	5475	5480	5485	5490	5495	5500	5505	5510	5515	5520	5525	5530	5535	5540	5545	5550	5555	5560	5565	5570	5575	5580	5585	5590	5595	5600	5605	5610	5615	5620	5625	5630	5635	5640	5645	5650	5655	5660	5665	5670	5675	5680	5685	5690	5695	5700	5705	5710	5715	5720	5725	5730	5735	5740	5745	5750	5755	5760	5765	5770	5775	5780	5785	5790	5795	5800	5805	5810	5815	5820	5825	5830	5835	5840	5845	5850	5855	5860	5865	5870	5875	5880	5885	5890	5895	5900	5905	5910	5915	5920	5925	5930	5935	5940	5945	5950	5955	5960	5965	5970	5975	5980	5985	5990	5995	6000	6005	6010	6015	6020	6025	6030	6035	6040	6045	6050	6055	6060	6065	6070	6075	6080	6085	6090	6095	6100	6105	6110	6115	6120	6125	6130	6135	6140	6145	6150	6155	6160	6165	6170	6175	6180	6185	6190	6195	6200	6205	6210	6215	6220	6225	6230	6235	6240	6245	6250	6255	6260	6265	6270	6275	6280	6285	6290	6295	6300	6305	6310	6315	6320	6325	6330	6335	6340	6345	6350	6355	6360	6365	6370	6375	6380	6385	6390	6395	6400	6405	6410	6415	6420	6425	6430	6435	6440	6445	6450	6455	6460	6465	6470	6475	6480	6485	6490	6495	6500	6505	6510	6515	6520	6525	6530	6535	6540	6545	6550	6555	6560	6565	6570	6575	6580	6585	6590	6595	6600	6605	6610	6615	6620	6625	6630	6635	6640	6645	6650	6655	6660	6665	6670	6675	6680	6685	6690	6695	6700	6705	6710	6715	6720	6725	6730	6735	6740	6745	6750	6755	6760	6765	6770	6775	6780	6785	6790	6795	6800	6805	6810	6815	6820	6825	6830	6835	6840	6845	6850	6855	6860	6865	6870	6875	6880	6885	6890	6895	6900	6905	6910	6915	6920	6925	6930	6935	6940	6945	6950	6955	6960	6965	6970	6975	6980	6985	6990	6995	7000	7005	7010	7015	7020	7025	7030	7035	7040	7045	7050	7055	7060	7065	7070	7075	7080	7085	7090	7095	7100	7105	7110	7115	7120	7125	7130	7135	7140	7145	7150	7155	7160	7165	7170	7175	7180	7185	7190	7195	7200	7205	7210	7215	7220	7225	7230	7235	7240	7245	7250	7255	7260	7265	7270	7275	7280	7285	7290	7295	7300	7305	7310	7315	7320	7325	7330	7335	7340	7345	7350	7355	7360	7365	7370	7375

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:55
 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	0733	0535	0769	0657	0555	0574	0779	0623	0723	0773	0670	0767	0553	0556	0671	0723	0733		0771	0772	0779
ANIMAL ID	00426	00447	00448	00449	00450	00451	00452	00453	00454	00455	00456	00457	00458	00459	00460	00461	00462	00463	00464	00465	00466	00467	00468	00469
Bile Duct, Hyperplasia				1		2										1	1	1	1	1			1	
Bile Duct, Inflammation, Suppurative																								
Mesentery	+	+	+	+					+	+					+				+	+			+	
Inflammation, Chronic Active															2									
Fat, Necrosis	2		2	2					2						2				2				2	
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Atrophy			3	1		2			2						3	2			2	1	3	1		25
Hyperplasia																								2
Inflammation, Chronic Active																								1
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hyperplasia, Squamous									1															2
Ulcer																								1
Stomach, Glandular	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Mineralization																								1
Necrosis																								3
Ulcer																								1

CARDIOVASCULAR SYSTEM

Blood Vessel																								1
Aorta, Mineralization																								1
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cardiomyopathy	2	2	1	1	2		1	1	1	1	1		1	2	2		2		1	1		1	2	3

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 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
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 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:55
 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	0635	0554	0554	0729	0729	0423	0729	0729	0671	0739	0563	0557	0671	0723		0733	0729		
ANIMAL ID	00426	00442	00442	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444			
Epididymis Hyperplasia, Mesothelium	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1	1.0
Penis Inflammation, Suppurative																							1	1	4.0
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49		
Prostate Hyperplasia Inflammation, Suppurative	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	7	1.9
								1							3		2		2		2	2		9	2.3
Seminal Vesicle Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	48	1	2.0
Testes Atrophy Arteriole, Inflammation Interstitial Cell, Hyperplasia Tunic, Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	13	3.3
						2				3				4			3		4		3			1	1.0
							1					1					2							6	1.3
																						1		2	1.0
HEMATOPOIETIC SYSTEM																									
Bone Marrow	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48		
Lymph Node Pancreatic, Congestion Pancreatic, Infiltration Cellular, Histiocyte						+			+								+	+		+			9	1	2.0
																			2					1	2.0
Lymph Node, Bronchial Congestion	+	M	M	M	M	M	M	M	M	M	M	M	M	M	+	M	M	+	+	M	M	M	9	1	2.0

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 1-4 .. Lesion qualified as:
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Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
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 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	0733	0533	0729	0637	0555	0554	0779	0772	0422	0723	0773	0671	0739	0566	0557	0557	0661		0723	0733	0731	0729		
ANIMAL ID	00426	00447	00448	00449	00450	00451	00452	00453	00454	00455	00456	00457	00458	00459	00460	00461	00462	00463	00464	00465	00466	00467	00468	00469			
Ectasia	2																				2 3.0						
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	1		
Lymph Node, Mediastinal Congestion Hyperplasia, Lymphoid	+	M	M	+	M	+	M	M	M	+	M	+	M	+	M	+	M	M	+	+	+	M	M	M	+	24	1 3.0 2 2.0
Lymph Node, Mesenteric Congestion Hyperplasia, Lymphoid	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1 2.0 1 2.0	
Spleen Fibrosis Hematopoietic Cell Proliferation Necrosis Capsule, Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	2 2.0 1 4.0 2 2.5 1 1.0	
Thymus	+	M	+	+	+	+	+	M	+	+	M	+	+	+	+	+	+	+	+	+	+	M	+	+	41		
INTEGUMENTARY SYSTEM																											
Mammary Gland	+	+	+	+	M	+	+	M	M	+	+	+	M	+	M	M	+	+	M	M	M	+	+	M	M	24	
Skin Cyst Epithelial Inclusion Inflammation, Acute Inflammation, Chronic Active	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	2 2.0 1 3.0 1 4.0
MUSCULOSKELETAL SYSTEM																											

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

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 Vinylidene chloride
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Date Report Requested: 12/12/2011
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 Lab: BNW

FISCHER 344 RATS MALE 50 ppm	DAY ON TEST																				* TOTALS					
	0730	0668	0729	0730	0533	0729	0637	0555	0554	0729	0772	0422	0723	0773	0671	0739	0566	0557	0555	0671		0729	0733	0731	0727	0729
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	00419	00420	
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Skeletal Muscle		+			+			+																	7	
NERVOUS SYSTEM																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Peripheral Nerve																									1	
Spinal Cord																									1	
RESPIRATORY SYSTEM																										
Larynx	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Inflammation, Chronic Active														1											1 1.0	
Mineralization																									1 2.0	
Thrombosis			1						2																2 1.5	
Alveolar Epithelium, Hyperplasia	2		1								2					2					2				14 1.6	
Alveolar Epithelium, Metaplasia, Squamous																						2			1 2.0	
Alveolar Epithelium, Metaplasia, Mucous									2																1 2.0	
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Foreign Body																							X		2	
Inflammation, Chronic Active	4	3	3	3		4	4	2	2	3	1	1	3	4	4	2	3	1			2	3	3	4	3	45 2.7
Thrombosis			4						3	3										3	4				11 3.3	
Olfactory Epithelium, Metaplasia, Respiratory	4	4	3	3		4	3	3	3	3	3	1	4	4	4	3	4	3	3	1	3	4	3	4	3	49 3.2
Olfactory Epithelium, Metaplasia, Squamous														2												1 2.0
Respiratory Epithelium, Hyperplasia	4	2	2			1							2	2	3		2						3	2	22 2.5	

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 I .. Insufficient tissue

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

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:55
 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	0779	0770	0423	0722	0733	0730	0670	0731	0596	0553	0557		0661	0773	0770	0733	0731		
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	00419	00420			
Respiratory Epithelium, Metaplasia, Squamous Turbinate, Atrophy	3	4	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	4	4	3	3	3	3	3	2	1	2.0
Turbinate, Hyperostosis	2	2	3	3	3	2	1	3	3	2	3	2	3	3	1	3	3	2	2	3	3	3	3	2	3		50	3.2
Trachea	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		49		
SPECIAL SENSES SYSTEM																												
Eye	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+		47		
Cataract								1																		1	1.0	
Retina, Atrophy																										1	2.0	
Harderian Gland	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		48		
Hyperplasia															3											1	3.0	
URINARY SYSTEM																												
Kidney	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		49		
Infarct																										1	3.0	
Inflammation, Suppurative																										1	4.0	
Nephropathy	4	3	2	3		3	2	1	2	2	3	1	3	4	3	2	2	1	2		1	3	2	3	2		47	2.4
Renal Tubule, Hyperplasia																										1	1.0	
Renal Tubule, Necrosis																			2							2	1.5	
Transitional Epithelium, Hyperplasia																										1	3.0	
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		49		
Inflammation, Chronic Active																										1	2.0	
Transitional Epithelium, Hyperplasia																										1	3.0	

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
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 BLANK .. Not examined microscopically

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 1) Minimal 3) Moderate
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Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:55
 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...)					
	0701	0703	0702	0722	0723	0733	0735	0736	0744	0747	0747	0744	0745	0777	0777	0766	0700	0777	0766	0755			0777	0766	0755	0766	0755
Fat, Necrosis	2			2	2	2	2			2	2								2		2	2					
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Atrophy	1		1			1		1	1			2		3					1				2	1	2		
Hyperplasia		2								2												3				2	
Inflammation, Chronic Active			3																								
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia, Squamous							2																				
Ulcer												3	3						3	4							
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Necrosis																											
Ulcer																									3		
Tongue																											
Hyperplasia, Squamous																										3	
CARDIOVASCULAR SYSTEM																											
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cardiomyopathy	1	1	2	2	1	2	3	1	1	2	1	1		1	2				1		2	2	1			2	
Thrombosis													3													2	
ENDOCRINE SYSTEM																											
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia	2		2	2			2			2	2			2	2			2			2	2	1			2	
Hypertrophy					2																						

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
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 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...)							
	0701	0703	0702	0702	0703	0703	0705	0709	0709	0704	0707	0707	0704	0705	0707	0707	0706	0700	0707	0706			0705	0707	0707	0706	0705	0706	0706
	0	0	0	0	0	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	6	7	6	4	7	7	4	5	7	7	6	0	7	6	5	7	7	6	5	6	5	6	7	7	6
	0	3	2	2	3	3	5	9	2	3	4	4	2	3	7	1	1	7	3	3	2	0	6	1	9	2	2	2	
	1	0	9	9	5	0	6	5	9	0	9	2	6	0	0	0	8	6	4	1	9	0	1	9	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	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	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	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	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			

Degeneration

2

Preputial Gland

+ +

Prostate
Hyperplasia
Inflammation, Suppurative

+
 3 2 3

Seminal Vesicle

+ +

Testes
Atrophy
Interstitial Cell, Hyperplasia
Tunic, Hyperplasia

+
 3 3 1 1

HEMATOPOIETIC SYSTEM

Bone Marrow

+ +

Lymph Node
Pancreatic, Hyperplasia, Lymphoid

+
1

Lymph Node, Bronchial
Infiltration Cellular, Histiocyte

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

M M

Lymph Node, Mediastinal
Hyperplasia, Lymphoid

+ + M + M + M + + + + M + + + + M M M M + M M M M
 2 3

Lymph Node, Mesenteric

+ +

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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 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 | 07 | 07 | 07 | 06 | 07 | 06 | 04 | 07 | 07 | 04 | 05 | 07 | 07 | 06 | 00 | 07 | 06 | 05 | 07 | 07 | 06 | 05 | 06 | | | 07 |
| | 0 | 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 | |
| | 1 | 3 | 2 | 2 | 3 | 3 | 5 | 9 | 2 | 3 | 4 | 4 | 2 | 3 | 7 | 1 | 1 | 7 | 3 | 3 | 2 | 0 | 6 | 1 | 9 | 666666666666666666666666 | |
| | 0 | 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 | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 1234567890111111111122222222 | |

Retina, Atrophy

Harderian Gland
Degeneration

+ +

URINARY SYSTEM

Kidney
 Infarct
 Inflammation, Suppurative
 Nephropathy
 Renal Tubule, Hyperplasia
 Transitional Epithelium, Hyperplasia

+
 2
 3 3 1 3 2 4 4 2 2 3 1 2 2 2 3 1 2 2 2 2 2 2 2

Urinary Bladder
 Inflammation, Acute
 Transitional Epithelium, Hyperplasia

+ +

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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 Lab: BNW

| FISCHER 344 RATS MALE
100 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|-----------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|--|
| | 0730 | 0733 | 0738 | 0739 | 0733 | 0730 | 0734 | 0737 | 0738 | 0731 | 0739 | 0739 | 0735 | 0735 | 0736 | 0735 | 0737 | 0738 | 0735 | 0736 | 0736 | 0736 | 0737 | 0736 | | 0737 | |
| ANIMAL ID | 00626 | 00662 | 00662 | 00662 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | | |
| Adrenal Medulla Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| | 2 | 2 | 3 | | 3 | 2 | 2 | | 2 | | 4 | 2 | 2 | | 3 | | 2 | 2 | 2 | | 3 | | 2 | | 29 2.3 | | |
| Islets, Pancreatic Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | 49 | | |
| | | | | | | | 2 | | | | | | | | | | | | | | | | | | 3 2.3 | | |
| Parathyroid Gland Hyperplasia | + | + | M | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | 45 | | |
| | | | | | | | | | 2 | | | | | | | | | | | | | | | | 2 2.0 | | |
| Pituitary Gland Angiectasis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Pars Distalis, Angiectasis | | | | | | | | | | | | | | 2 | | | | | | | | | | | 1 2.0 | | |
| Pars Distalis, Hyperplasia | | | | | | | 3 | | | | | 3 | | | 2 | 2 | | 3 | | | | 1 | | | 9 2.2 | | |
| Thyroid Gland C-cell, Hyperplasia | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | | |
| Follicular Cell, Hyperplasia | | 1 | 1 | | 1 | | 1 | | | | | | 1 | | 1 | | 1 | | 1 | | 1 | | | | 19 1.1 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 | | |
| GENERAL BODY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peritoneum | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| Tissue NOS | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| GENITAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Coagulating Gland Hyperplasia | | | | + | | | + | | | | | | | | | | | | | | | | | | | 3 | |
| Inflammation, Suppurative | | | | 3 | | | | | | | | | | | | | | | | | | | | | | 2 3.0 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | |
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
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Experiment Number: 20303 - 05
 Test Type: CHRONIC
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 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
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 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 | 0557 | 0557 | 0777 | 0777 | 0555 | 0555 | 0666 | 0666 | 0557 | 0557 | 0666 | 0666 | | 0777 | 0777 | 0666 | 0666 | 0777 | 0777 | 0666 | 0666 | 0777 | 0777 | | | | | | | | |
| 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 | 00694 | 00695 | 00696 | 00697 | 00698 | 00699 | 00700 | | | | |
| Ectasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | | |
| Inflammation, Granulomatous | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3.0 | | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | |
| Fibrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 2.8 | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2.0 | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 2.5 | |
| Thymus | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 44 | | |
| Infiltration Cellular, Polymorphonuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 | |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | + | + | + | + | + | + | M | M | + | + | + | + | M | M | + | M | + | M | M | M | M | + | M | M | + | | | | | | | | | | | | 32 | | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| RESPIRATORY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Larynx | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

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 Vinylidene chloride
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 Lab: BNW

| FISCHER 344 RATS MALE
100 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|--------|--------|
| | 0730 | 0733 | 0662 | 0669 | 0773 | 0776 | 0664 | 0665 | 0777 | 0777 | 0777 | 0555 | 0555 | 0666 | 0555 | 0777 | 0555 | 0666 | 0666 | 0666 | | 0777 | 0666 | 0777 | 0666 | 0777 |
| ANIMAL ID | 00626 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | | |
| Metaplasia, Squamous | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | | |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Metaplasia, Osseous | | | | | 2 | | | | | | | | | | | | | | | | | | | 1 2.0 | | |
| Alveolar Epithelium, Hyperplasia | 3 | | | 2 | | | 1 | | | | | | 1 | | | 2 | 3 | 2 | | 1 | | 4 | 2 | 2 | 14 2.3 | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Foreign Body | | | | | | X | | | | | X | | | | | X | | X | | | | | | 5 | | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | | |
| Inflammation, Chronic Active | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 3 | 4 | 1 | 3 | 4 | 3 | 3 | 3 | | 4 | | 4 | 4 | 4 | 3 | 4 | 2 | 1 | 48 3.2 |
| Thrombosis | | | | | | | | 3 | | | | | | | 4 | | | | | | | | | | 7 2.7 | |
| Olfactory Epithelium, Metaplasia, Respiratory | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | | 4 | 2 | 4 | 4 | 4 | 3 | 4 | 2 | 3 | 48 3.5 |
| Olfactory Epithelium, Metaplasia, Squamous | | | | | | | | | | | | | | | 1 | | | | 1 | 2 | 1 | | | | 5 1.2 | |
| Respiratory Epithelium, Hyperplasia | 3 | 2 | 2 | 2 | 2 | 2 | 1 | | 2 | | 2 | 3 | | 1 | 1 | | 3 | | 3 | 3 | 4 | 2 | | | 31 2.3 | |
| Respiratory Epithelium, Metaplasia, Squamous | 2 | | | | | | | | | | | | | | | | | | | | | 2 | | | 3 2.0 | |
| Turbinate, Atrophy | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 50 3.8 |
| Turbinate, Hyperostosis | 2 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 2 | 2 | 2 | 3 | 50 2.9 |
| Pleura | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Infiltration Cellular, Mononuclear Cell | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | |
| Trachea | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | 48 | |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | 49 | |
| Cataract | | | | | | | | | | | | | | | | | | | | | | | 4 | | 1 4.0 | |
| Degeneration | | | | | | | | | | | | | | | | | | | | | | 4 | | | 1 4.0 | |
| Cornea, Inflammation, Chronic Active | | | | | 1 | | | | | | | | | | | | | | | | | | | | 1 1.0 | |

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

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:55
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

| FISCHER 344 RATS MALE
100 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | |
|--------------------------------------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|----|----|----|
| | 07 | 07 | 06 | 06 | 07 | 07 | 06 | 04 | 05 | 07 | 07 | 07 | 05 | 05 | 06 | 05 | 07 | 05 | 06 | 06 | | 06 | 07 | 06 |
| 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 |
| Retina, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| Harderian Gland Degeneration | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | 49 |
| | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Infarct | | | | | | | | | | | | | | | | 2 | | | | | | | | 2 |
| Inflammation, Suppurative | | | | | | | 3 | | | | | | | | | | | | 2 | | | | | 2 |
| Nephropathy | 3 | 2 | 4 | 2 | 3 | 3 | 2 | 1 | 1 | 1 | 4 | 3 | 2 | 1 | 2 | | | 4 | 1 | 2 | | 3 | 1 | 47 |
| Renal Tubule, Hyperplasia | | | | | | | | | | | | | | | | | | 4 | | | | | | 1 |
| Transitional Epithelium, Hyperplasia | | | 1 | | | | | | | | | | 2 | | | | | | | | | | | 2 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Inflammation, Acute | | | | | | | 2 | | | | | | | | | | | | | | | | | 1 |
| Transitional Epithelium, Hyperplasia | | | 2 | | | | 2 | | | | | | | | | | | | | | | | | 2 |

*** END OF MALE DATA ***

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

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
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 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

| FISCHER 344 RATS FEMALE
Control | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | 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
7
6
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
7
3
3 | 0
6
6
1 | 0
6
8
7 | | | 0
6
9
8 | 0
7
3
1 | 0
5
9
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
1
0
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
1
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 | 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 | 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 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow
Hyperplasia, Reticulum Cell | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | + | |
| Lymph Node, Bronchial
Congestion | M | M | + | M | M | M | M | M | + | M | M | M | M | M | M | M | M | M | M | M | M | M | + | 3 | |
| 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
Ectasia
Hemorrhage
Hyperplasia, Lymphoid | + | M | M | M | M | + | + | M | + | + | + | + | M | M | M | + | + | M | + | + | + | + | + | M | M |
| Lymph Node, Mesenteric
Congestion
Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Spleen
Fibrosis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Thymus | + | + | + | + | M | + | + | + | + | + | + | M | + | + | M | + | + | + | + | + | + | + | + | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland
Galactocele
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

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 + .. Tissue examined microscopically
 X .. Lesion present
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 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
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Experiment Number: 20303 - 05
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 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:55
 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 | 0763 | 0771 | 0766 | 0774 | 0769 | 0772 | 0767 | 0775 | 0764 | 0773 | 0768 | 0771 | 0766 | 0774 | 0769 | 0772 | | |
| Control | 001 | 001 | 001 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 50 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|-----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Intestine Large, Cecum | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1.5 | |
| Basophilic Focus | X | X | X | | X | X | X | | X | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | 46 | | |
| Clear Cell Focus | X | | | | X | | | | X | | | | | | | X | | X | | X | X | | X | | 15 | | |
| Eosinophilic Focus | | | | | | | | | | | | X | | | | | | | | | | | | | 6 | | |
| Fatty Change | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | |
| Fatty Change, Focal | | | | | | | | | | | X | | | | | | | | | | | | | | 2 | | |
| Fatty Change, Diffuse | 1 | | 1 | | | 1 | 2 | | | | | | 2 | | 2 | | 1 | | 1 | | | | 1 | | 19 | 1.2 | |
| Hepatodiaphragmatic Nodule | | | | | | | | | | | X | | | | | | | | | | | | | | 3 | | |
| Inflammation, Chronic | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 2 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 42 | 1.0 | |
| Mixed Cell Focus | | | | | | | X | | | | | X | | | | | | | | | | | | | 4 | | |
| Bile Duct, Hyperplasia | | | 1 | | 1 | 1 | | | | | | 2 | 1 | | | | | | | | | | | 1 | | 7 | 1.1 |
| Mesentery | + | + | | | | + | | | | + | | | | | | | | | | | | | + | | | 13 | |

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

1-4 .. Lesion qualified as:
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Experiment Number: 20303 - 05
 Test Type: CHRONIC
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 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:55
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

| FISCHER 344 RATS FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|------------------------------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|------|-----|
| | 0731 | 0739 | 0749 | 0756 | 0763 | 0770 | 0776 | 0783 | 0790 | 0797 | 0804 | 0811 | 0818 | 0825 | 0832 | 0839 | 0846 | 0853 | 0860 | 0867 | | 0874 | |
| Control | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | |
| | 001267 | 001268 | 001269 | 001270 | 001271 | 001272 | 001273 | 001274 | 001275 | 001276 | 001277 | 001278 | 001279 | 001280 | 001281 | 001282 | 001283 | 001284 | 001285 | 001286 | 001287 | | |
| Fat, Necrosis | 2 | 2 | | | 2 | | | 2 | | | | | | | | | | | 2 | | | 13 | 2.0 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Acinus, Atrophy | | 1 | | | | | | 1 | | | | | | | | | 2 | 1 | | | | 9 | 1.2 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Ulcer | | | | | | | | 2 | | | | | | | | | | | | | 1 | 3 | 2.0 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Necrosis | | | | | | | | 2 | | | | | | | | | | | | | | 1 | 2.0 |
| Tongue | | | | | | | | | | | | | | | | | | | | | | 1 | |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Blood Vessel | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Cardiomyopathy | 1 | | | | 1 | 1 | 1 | | | | 2 | 1 | 2 | 1 | 2 | 1 | 1 | | | 1 | 1 | 33 | 1.2 |
| ENDOCRINE SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Hyperplasia | | 2 | | | 2 | | 2 | 2 | | | | 2 | 2 | 2 | 2 | 2 | | | | 2 | 2 | 30 | 2.1 |
| Hypertrophy | | | | | 2 | | | | | 2 | | | | | | | | | | | 2 | 7 | 2.3 |
| Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | | | | | 3 | | 1 | 3.0 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |

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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:55
 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 | 0766 | 0777 | 0767 | 0776 | 0766 | 0777 | 0767 | 0777 | 0767 | 0777 | 0767 | 0777 | 0767 | 0777 | 0767 | 0777 | 0767 | 0777 | 0767 | | 0777 | | |
| Control | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 00126 | 00077 | 00008 | 00009 | 00010 | 00011 | 00012 | 00013 | 00014 | 00015 | 00016 | 00017 | 00018 | 00019 | 00020 | 00021 | 00022 | 00023 | 00024 | 00025 | 00026 | 00027 | 00028 | 00029 | 00030 | | | |
| Hyperplasia | | | | | 2 | 2 | | | | | | | | | | | | | | | | | | | 2 | 7 2.0 | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Parathyroid Gland
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | 1 3.0 | |
| Pituitary Gland
Pars Distalis, Angiectasis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 4 2.0 | |
| Pars Distalis, Hyperplasia | | | | | | | | | 3 | | | | 3 | | | 3 | 3 | | | | | | 3 | 2 | 12 2.5 | | | |
| Thyroid Gland
C-cell, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 35 1.3 | |
| | | | 1 | 1 | | | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | | 1 | 1 | | | | | 3 | 1 | 1 | | | |
| GENERAL BODY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GENITAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | |
| Ovary
Bursa, Dilatation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 5 1.8 |
| Interstitial Cell, Hyperplasia | | | 2 | 1 | | | | | | | | | | | | | | | | | | | 2 | 2 | 1 3.0 | | | |
| Uterus
Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 4.0 |
| Endometrium, Hyperplasia, Cystic | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 1.0 | | |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| FISCHER 344 RATS FEMALE
Control | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------------|----------|
| | 0731 | 0739 | 0779 | 0766 | 0773 | 0768 | 0776 | 0763 | 0771 | 0767 | 0775 | 0762 | 0774 | 0769 | 0772 | 0764 | 0770 | 0765 | 0777 | 0760 | 0773 | 0761 | 0776 | | |
| ANIMAL ID | 001 | 001 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | | |
| Bone Marrow
Hyperplasia, Reticulum Cell | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50
1 4.0 | |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Lymph Node, Bronchial
Congestion | M | M | M | M | M | M | M | M | M | + | M | M | M | M | M | M | M | M | M | M | M | M | M | 4
1 3.0 | |
| 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 | |
| Lymph Node, Mediastinal
Ectasia | + | + | + | + | + | + | + | + | + | + | M | + | + | + | M | + | M | M | M | M | + | + | + | 33
1 3.0 | |
| Hemorrhage | | | 3 | | | | | | | | | | | | | | | | | | | | | 1 3.0 | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | 2 | | | | | | | | | | 1 2.0 | |
| Lymph Node, Mesenteric
Congestion | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50
1 3.0 | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Spleen
Fibrosis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50
2 2.5 | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | 46 | |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland
Galactocele | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50
1 2.0 | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:55
 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 | 0772 | 0763 | 0773 | 0773 | 0754 | 0775 | 0755 | 0773 | 0773 | 0766 | 0776 | 0744 | 0777 | 0777 | 0777 | 0777 | | | |
| | 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 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 333333333333333333333333 | | |
| | 2 | 3 | 5 | 1 | 2 | 2 | 0 | 2 | 3 | 3 | 2 | 2 | 1 | 9 | 1 | 2 | 1 | 7 | 1 | 2 | 1 | 2 | 2 | 000000000000000000000000 | | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Bursa, Dilatation | | | | 4 | | | | | | | 4 | | | 3 | | | | | | | | | | |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Endometrium, Hyperplasia, Cystic | | | | | | | | | | | | | | | | | 3 | | | | | | | |
| Vagina | | | | | | | | | | | + | | | | | | | | | | | | | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Bronchial
Hyperplasia, Lymphoid | 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 | |
| Lymph Node, Mediastinal
Hyperplasia, Lymphoid
Hyperplasia, Plasma Cell | M | M | M | + | M | + | M | + | M | + | + | + | M | M | M | + | M | M | + | M | + | M | + | 2
2 |
| Lymph Node, Mesenteric
Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 4 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Fibrosis | | | 2 | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | 2 | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid
Inflammation, Granulomatous | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:55
 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...) |
|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|---|-----------|----------------------|
| | 0
7
3
2 | 0
7
3
3 | 0
6
7
5 | 0
7
3
1 | 0
7
3
2 | 0
7
3
2 | 0
4
7
0 | 0
7
1
2 | 0
6
5
3 | 0
7
3
3 | 0
7
3
2 | 0
5
4
1 | 0
7
1
9 | 0
5
7
1 | 0
7
3
2 | 0
7
3
1 | 0
6
6
1 | 0
7
3
2 | 0
4
5
1 | 0
7
3
2 | 0
7
0
9 | 0
7
3
3 | 0
7
3
4 | 0
7
3
5 | | | |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | M | I | + | + | + | M | + | + | + | + | M | + | + | | |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland
Galactocele
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Skin
Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain
Hydrocephalus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| RESPIRATORY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Larynx
Inflammation, Chronic Active
Metaplasia, Squamous | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Lung
Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
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 1) Minimal 3) Moderate
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Experiment Number: 20303 - 05
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| FISCHER 344 RATS FEMALE
25 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|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| | 0732 | 0733 | 0735 | 0737 | 0738 | 0742 | 0747 | 0766 | 0767 | 0771 | 0773 | 0775 | 0777 | 0781 | 0783 | 0785 | 0787 | 0789 | 0791 | 0793 | | | 0795 | 0797 | 0799 | 0801 | 0803 | 0805 | 0807 | 0809 | 0811 | 0813 | 0815 | 0817 | 0819 | 0821 | 0823 | 0825 | 0827 | 0829 | 0831 | 0833 | 0835 | 0837 | 0839 | 0841 | 0843 | 0845 | 0847 | 0849 | 0851 | 0853 | 0855 | 0857 | 0859 | 0861 | 0863 | 0865 | 0867 | 0869 | 0871 | 0873 | 0875 | 0877 | 0879 | 0881 | 0883 | 0885 | 0887 | 0889 | 0891 | 0893 | 0895 | 0897 | 0899 | 0901 | 0903 | 0905 | 0907 | 0909 | 0911 | 0913 | 0915 | 0917 | 0919 | 0921 | 0923 | 0925 | 0927 | 0929 | 0931 | 0933 | 0935 | 0937 | 0939 | 0941 | 0943 | 0945 | 0947 | 0949 | 0951 | 0953 | 0955 | 0957 | 0959 | 0961 | 0963 | 0965 | 0967 | 0969 | 0971 | 0973 | 0975 | 0977 | 0979 | 0981 | 0983 | 0985 | 0987 | 0989 | 0991 | 0993 | 0995 | 0997 | 0999 | 1001 | 1003 | 1005 | 1007 | 1009 | 1011 | 1013 | 1015 | 1017 | 1019 | 1021 | 1023 | 1025 | 1027 | 1029 | 1031 | 1033 | 1035 | 1037 | 1039 | 1041 | 1043 | 1045 | 1047 | 1049 | 1051 | 1053 | 1055 | 1057 | 1059 | 1061 | 1063 | 1065 | 1067 | 1069 | 1071 | 1073 | 1075 | 1077 | 1079 | 1081 | 1083 | 1085 | 1087 | 1089 | 1091 | 1093 | 1095 | 1097 | 1099 | 1101 | 1103 | 1105 | 1107 | 1109 | 1111 | 1113 | 1115 | 1117 | 1119 | 1121 | 1123 | 1125 | 1127 | 1129 | 1131 | 1133 | 1135 | 1137 | 1139 | 1141 | 1143 | 1145 | 1147 | 1149 | 1151 | 1153 | 1155 | 1157 | 1159 | 1161 | 1163 | 1165 | 1167 | 1169 | 1171 | 1173 | 1175 | 1177 | 1179 | 1181 | 1183 | 1185 | 1187 | 1189 | 1191 | 1193 | 1195 | 1197 | 1199 | 1201 | 1203 | 1205 | 1207 | 1209 | 1211 | 1213 | 1215 | 1217 | 1219 | 1221 | 1223 | 1225 | 1227 | 1229 | 1231 | 1233 | 1235 | 1237 | 1239 | 1241 | 1243 | 1245 | 1247 | 1249 | 1251 | 1253 | 1255 | 1257 | 1259 | 1261 | 1263 | 1265 | 1267 | 1269 | 1271 | 1273 | 1275 | 1277 | 1279 | 1281 | 1283 | 1285 | 1287 | 1289 | 1291 | 1293 | 1295 | 1297 | 1299 | 1301 | 1303 | 1305 | 1307 | 1309 | 1311 | 1313 | 1315 | 1317 | 1319 | 1321 | 1323 | 1325 | 1327 | 1329 | 1331 | 1333 | 1335 | 1337 | 1339 | 1341 | 1343 | 1345 | 1347 | 1349 | 1351 | 1353 | 1355 | 1357 | 1359 | 1361 | 1363 | 1365 | 1367 | 1369 | 1371 | 1373 | 1375 | 1377 | 1379 | 1381 | 1383 | 1385 | 1387 | 1389 | 1391 | 1393 | 1395 | 1397 | 1399 | 1401 | 1403 | 1405 | 1407 | 1409 | 1411 | 1413 | 1415 | 1417 | 1419 | 1421 | 1423 | 1425 | 1427 | 1429 | 1431 | 1433 | 1435 | 1437 | 1439 | 1441 | 1443 | 1445 | 1447 | 1449 | 1451 | 1453 | 1455 | 1457 | 1459 | 1461 | 1463 | 1465 | 1467 | 1469 | 1471 | 1473 | 1475 | 1477 | 1479 | 1481 | 1483 | 1485 | 1487 | 1489 | 1491 | 1493 | 1495 | 1497 | 1499 | 1501 | 1503 | 1505 | 1507 | 1509 | 1511 | 1513 | 1515 | 1517 | 1519 | 1521 | 1523 | 1525 | 1527 | 1529 | 1531 | 1533 | 1535 | 1537 | 1539 | 1541 | 1543 | 1545 | 1547 | 1549 | 1551 | 1553 | 1555 | 1557 | 1559 | 1561 | 1563 | 1565 | 1567 | 1569 | 1571 | 1573 | 1575 | 1577 | 1579 | 1581 | 1583 | 1585 | 1587 | 1589 | 1591 | 1593 | 1595 | 1597 | 1599 | 1601 | 1603 | 1605 | 1607 | 1609 | 1611 | 1613 | 1615 | 1617 | 1619 | 1621 | 1623 | 1625 | 1627 | 1629 | 1631 | 1633 | 1635 | 1637 | 1639 | 1641 | 1643 | 1645 | 1647 | 1649 | 1651 | 1653 | 1655 | 1657 | 1659 | 1661 | 1663 | 1665 | 1667 | 1669 | 1671 | 1673 | 1675 | 1677 | 1679 | 1681 | 1683 | 1685 | 1687 | 1689 | 1691 | 1693 | 1695 | 1697 | 1699 | 1701 | 1703 | 1705 | 1707 | 1709 | 1711 | 1713 | 1715 | 1717 | 1719 | 1721 | 1723 | 1725 | 1727 | 1729 | 1731 | 1733 | 1735 | 1737 | 1739 | 1741 | 1743 | 1745 | 1747 | 1749 | 1751 | 1753 | 1755 | 1757 | 1759 | 1761 | 1763 | 1765 | 1767 | 1769 | 1771 | 1773 | 1775 | 1777 | 1779 | 1781 | 1783 | 1785 | 1787 | 1789 | 1791 | 1793 | 1795 | 1797 | 1799 | 1801 | 1803 | 1805 | 1807 | 1809 | 1811 | 1813 | 1815 | 1817 | 1819 | 1821 | 1823 | 1825 | 1827 | 1829 | 1831 | 1833 | 1835 | 1837 | 1839 | 1841 | 1843 | 1845 | 1847 | 1849 | 1851 | 1853 | 1855 | 1857 | 1859 | 1861 | 1863 | 1865 | 1867 | 1869 | 1871 | 1873 | 1875 | 1877 | 1879 | 1881 | 1883 | 1885 | 1887 | 1889 | 1891 | 1893 | 1895 | 1897 | 1899 | 1901 | 1903 | 1905 | 1907 | 1909 | 1911 | 1913 | 1915 | 1917 | 1919 | 1921 | 1923 | 1925 | 1927 | 1929 | 1931 | 1933 | 1935 | 1937 | 1939 | 1941 | 1943 | 1945 | 1947 | 1949 | 1951 | 1953 | 1955 | 1957 | 1959 | 1961 | 1963 | 1965 | 1967 | 1969 | 1971 | 1973 | 1975 | 1977 | 1979 | 1981 | 1983 | 1985 | 1987 | 1989 | 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 | 2017 | 2019 | 2021 | 2023 | 2025 | 2027 | 2029 | 2031 | 2033 | 2035 | 2037 | 2039 | 2041 | 2043 | 2045 | 2047 | 2049 | 2051 | 2053 | 2055 | 2057 | 2059 | 2061 | 2063 | 2065 | 2067 | 2069 | 2071 | 2073 | 2075 | 2077 | 2079 | 2081 | 2083 | 2085 | 2087 | 2089 | 2091 | 2093 | 2095 | 2097 | 2099 | 2101 | 2103 | 2105 | 2107 | 2109 | 2111 | 2113 | 2115 | 2117 | 2119 | 2121 | 2123 | 2125 | 2127 | 2129 | 2131 | 2133 | 2135 | 2137 | 2139 | 2141 | 2143 | 2145 | 2147 | 2149 | 2151 | 2153 | 2155 | 2157 | 2159 | 2161 | 2163 | 2165 | 2167 | 2169 | 2171 | 2173 | 2175 | 2177 | 2179 | 2181 | 2183 | 2185 | 2187 | 2189 | 2191 | 2193 | 2195 | 2197 | 2199 | 2201 | 2203 | 2205 | 2207 | 2209 | 2211 | 2213 | 2215 | 2217 | 2219 | 2221 | 2223 | 2225 | 2227 | 2229 | 2231 | 2233 | 2235 | 2237 | 2239 | 2241 | 2243 | 2245 | 2247 | 2249 | 2251 | 2253 | 2255 | 2257 | 2259 | 2261 | 2263 | 2265 | 2267 | 2269 | 2271 | 2273 | 2275 | 2277 | 2279 | 2281 | 2283 | 2285 | 2287 | 2289 | 2291 | 2293 | 2295 | 2297 | 2299 | 2301 | 2303 | 2305 | 2307 | 2309 | 2311 | 2313 | 2315 | 2317 | 2319 | 2321 | 2323 | 2325 | 2327 | 2329 | 2331 | 2333 | 2335 | 2337 | 2339 | 2341 | 2343 | 2345 | 2347 | 2349 | 2351 | 2353 | 2355 | 2357 | 2359 | 2361 | 2363 | 2365 | 2367 | 2369 | 2371 | 2373 | 2375 | 2377 | 2379 | 2381 | 2383 | 2385 | 2387 | 2389 | 2391 | 2393 | 2395 | 2397 | 2399 | 2401 | 2403 | 2405 | 2407 | 2409 | 2411 | 2413 | 2415 | 2417 | 2419 | 2421 | 2423 | 2425 | 2427 | 2429 | 2431 | 2433 | 2435 | 2437 | 2439 | 2441 | 2443 | 2445 | 2447 | 2449 | 2451 | 2453 | 2455 | 2457 | 2459 | 2461 | 2463 | 2465 | 2467 | 2469 | 2471 | 2473 | 2475 | 2477 | 2479 | 2481 | 2483 | 2485 | 2487 | 2489 | 2491 | 2493 | 2495 | 2497 | 2499 | 2501 | 2503 | 2505 | 2507 | 2509 | 2511 | 2513 | 2515 | 2517 | 2519 | 2521 | 2523 | 2525 | 2527 | 2529 | 2531 | 2533 | 2535 | 2537 | 2539 | 2541 | 2543 | 2545 | 2547 | 2549 | 2551 | 2553 | 2555 | 2557 | 2559 | 2561 | 2563 | 2565 | 2567 | 2569 | 2571 | 2573 | 2575 | 2577 | 2579 | 2581 | 2583 | 2585 | 2587 | 2589 | 2591 | 2593 | 2595 | 2597 | 2599 | 2601 | 2603 | 2605 | 2607 | 2609 | 2611 | 2613 | 2615 | 2617 | 2619 | 2621 | 2623 | 2625 | 2627 | 2629 | 2631 | 2633 | 2635 | 2637 | 2639 | 2641 | 2643 | 2645 | 2647 | 2649 | 2651 | 2653 | 2655 | 2657 | 2659 | 2661 | 2663 | 2665 | 2667 | 2669 | 2671 | 2673 | 2675 | 2677 | 2679 | 2681 | 2683 | 2685 | 2687 | 2689 | 2691 | 2693 | 2695 | 2697 | 2699 | 2701 | 2703 | 2705 | 2707 | 2709 | 2711 | 2713 | 2715 | 2717 | 2719 | 2721 | 2723 | 2725 | 2727 | 2729 | 2731 | 2733 | 2735 | 2737 | 2739 | 2741 | 2743 | 2745 | 2747 | 2749 | 2751 | 2753 | 2755 | 2757 | 2759 | 2761 | 2763 | 2765 | 2767 | 2769 | 2771 | 2773 | 2775 | 2777 | 2779 | 2781 | 2783 | 2785 | 2787 | 2789 | 2791 | 2793 | 2795 | 2797 | 2799 | 2801 | 2803 | 2805 | 2807 | 2809 | 2811 | 2813 | 2815 | 2817 | 2819 | 2821 | 2823 | 2825 | 2827 | 2829 | 2831 | 2833 | 2835 | 2837 | 2839 | 2841 | 2843 | 2845 | 2847 | 2849 | 2851 | 2853 | 2855 | 2857 | 2859 | 2861 | 2863 | 2865 | 2867 | 2869 | 2871 | 2873 | 2875 | 2877 | 2879 | 2881 | 2883 | 2885 | 2887 | 2889 | 2891 | 2893 | 2895 | 2897 | 2899 | 2901 | 2903 | 2905 | 2907 | 2909 | 2911 | 2913 | 2915 | 2917 | 2919 | 2921 | 2923 | 2925 | 2927 | 2929 | 2931 | 2933 | 2935 | 2937 | 2939 | 2941 | 2943 | 2945 | 2947 | 2949 | 2951 | 2953 | 2955 | 2957 | 2959 | 2961 | 2963 | 2965 | 2967 | 2969 | 2971 | 2973 | 2975 | 2977 | 2979 | 2981 | 2983 | 2985 | 2987 | 2989 | 2991 | 2993 | 2995 | 2997 | 2999 | 3001 | 3003 | 3005 | 3007 | 3009 | 3011 | 3013 | 3015 | 3017 | 3019 | 3021 | 3023 | 3025 | 3027 | 3029 | 3031 | 3033 | 3035 | 3037 | 3039 | 3041 | 3043 | 3045 | 3047 | 3049 | 3051 | 3053 | 3055 | 3057 | 3059 | 3061 | 3063 | 3065 | 3067 | 3069 | 3071 | 3073 | 3075 | 3077 | 3079 | 3081 | 3083 | 3085 | 3087 | 3089 | 3091 | 3093 | 3095 | 3097 | 3099 | 3101 | 3103 | 3105 | 3107 | 3109 | 3111 | 3113 | 3115 | 3117 | 3119 | 3121 | 3123 | 3125 | 3127 | 3129 | 3131 | 3133 | 3135 | 3137 | 3139 | 3141 | 3143 | 3145 | 3147 | 3149 | 3151 | 3153 | 3155 | 3157 | 3159 | 3161 | 3163 | 3165 | 3167 | 3169 | 3171 | 3173 | 3175 | 3177 | 3179 | 3181 | 3183 | 3185 | 3187 | 3189 | 3191 | 3193 | 3195 | 3197 | 3199 | 3201 | 3203 | 3205 | 3207 | 3209 | 3211 | 3213 | 3215 | 3217 | 3219 | 3221 | 3223 | 3225 | 3227 | 3229 | 3231 | 3233 | 3235 | 3237 | 3239 | 3241 | 3243 | 3245 | 3247 | 3249 | 3251 | 3253 | 3255 | 3257 | 3259 | 3261 | 3263 | 3265 | 3267 | 3269 | 3271 | 3273 | 3275 | 3277 | 3279 | 3281 | 3283 | 3285 | 3287 | 3289 | 3291 | 3293 | 3295 | 3297 | 3299 | 3301 | 3303 | 3305 | 3307 | 3309 | 3311 | 3313 | 3315 | 3317 | 3319 | 3321 | 3323 | 3325 | 3327 | 3329 | 3331 | 3333 | 3335 | 3337 | 3339 | 3341 | 3343 | 3345 | 3347 | 3349 | 3351 | 3353 | 3355 | 3357 | 3359 | 3361 | 3363 | 3365 | 3367 | 3369 | 3371 | 3373 | 3375 | 3377 | 3379 | 3381 | 3383 | 3385 | 3387 | 3389 | 3391 | 3393 | 3395 | 3397 | 3399 | 3401 | 3403 | 3405 | 3407 | 3409 | 3411 | 3413 |

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:55
 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 | |
| Inflammation, Chronic Active Fat, Necrosis | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 2 | | | 2 | | 2 | 2 | 2 | | 2 | | 2 | | 2 | | | | | | 2 | | | |
| Oral Mucosa | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acinus, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acinus, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Forestomach | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Squamous | | | | | | | | | | | | | | | | | | | | | | | | | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blood Vessel | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heart | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cardiomyopathy | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thrombosis | | | | | | | | | | | | | | | | | | | | | | | | | |
| ENDOCRINE SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Cortex | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:55
 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
63
32 | 07
73
32 | 05
73
55 | 07
73
31 | 07
73
31 | 07
73
31 | 07
73
31 | 06
68
99 | 06
63
99 | 05
53
91 | 06
63
99 | 06
63
99 | 06
63
99 | 06
63
99 | 07
73
33 | 07
73
33 | 07
73
32 | 06
63
99 | 06
63
99 | 06
63
99 | 07
73
33 | 07
73
33 | 07
73
32 | | | |
| ANIMAL ID | 00
03
22
66 | 00
03
22
67 | 00
03
22
68 | 00
03
22
69 | 00
03
22
70 | 00
03
22
71 | 00
03
22
72 | 00
03
22
73 | 00
03
22
74 | 00
03
22
75 | 00
03
22
76 | 00
03
22
77 | 00
03
22
78 | 00
03
22
79 | 00
03
22
80 | 00
03
22
81 | 00
03
22
82 | 00
03
22
83 | 00
03
22
84 | 00
03
22
85 | 00
03
22
86 | 00
03
22
87 | 00
03
22
88 | 00
03
22
89 | 00
03
22
90 | | |
| Hematopoietic Cell Proliferation | | | 3 | | | | | | | | | | | | | | | | | | | | | | | 2 | 3.0 |
| Hyperplasia | 2 | | | 2 | | | | | 2 | 2 | 2 | | | | 2 | | 2 | 2 | 2 | | 2 | 2 | 2 | 2 | | 28 | 2.0 |
| Hypertrophy | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 2.0 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Hyperplasia | | | | 1 | | | | | 2 | | | | | | | | | 2 | | | 3 | | | 2 | 10 | 2.0 | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | M | 46 | | | |
| Pituitary Gland | + | + | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | | |
| Pars Distalis, Angiectasis | | | | | | | | | | | | | | | | | | | | 3 | | | 2 | 4 | 2.8 | | |
| Pars Distalis, Hyperplasia | | | | | | | | | 2 | | | | | | 2 | | | | | | | | 2 | 6 | 2.5 | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | |
| C-cell, Hyperplasia | 1 | 2 | 2 | 1 | 1 | 3 | | 2 | | | | 1 | 1 | | | 1 | 1 | | 2 | | | 3 | | 30 | 1.7 | | |
| Follicular Cell, Hyperplasia | | | | | | | | | 2 | | | | | | | | | | | | | | 2 | 1 | 2.0 | | |
| GENERAL BODY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peritoneum | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 | |
| GENITAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | 48 | | | |
| Hyperplasia | | | | | | | | 3 | 2 | | | | | | | | | | | | | | 2 | 4 | 2.0 | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | 2 | | | | | | | | | | | 1 | 2.0 | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:55
 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 | 0533 | 0733 | 0733 | 0733 | 0733 | 0668 | 0663 | 0535 | 0662 | 0663 | 0663 | 0667 | 0733 | 0733 | 0732 | 0666 | 0666 | | 0667 | 0737 | 0737 | 0737 |
| 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 | |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Bursa, Dilatation | 3 | | | | | 3 | | | | 2 | 3 | 4 | | | 3 | | | | | | 2 | | | 11 3.1 | |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Endometrium, Hyperplasia, Cystic | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | |
| Vagina | | | | | | | | | | + | | | | | | | | | | | | | | 2 | |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Lymph Node | | | | | | | | | | | | | | | | + | | | | | + | | | 2 | |
| Lymph Node, Bronchial
Hyperplasia, Lymphoid | M | M | M | M | M | + | M | M | M | M | M | M | M | M | + | + | M | M | M | + | + | M | M | M | 7
1 2.0 |
| 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 | 0 |
| Lymph Node, Mediastinal
Hyperplasia, Lymphoid
Hyperplasia, Plasma Cell | M | M | M | + | M | + | + | + | + | M | + | M | + | M | + | M | + | + | + | M | M | + | + | + | 26
1 2.0
1 2.0 |
| Lymph Node, Mesenteric
Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50
1 4.0 | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Fibrosis | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | 3 | | 1 3.0 | |
| Inflammation, Granulomatous | | | | | | 4 | | | | | | | | | | | | | | | | | | 1 4.0 | |

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

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:55
 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 | 0668 | 0666 | 0656 | 0666 | 0666 | 0666 | 0666 | 0677 | 0677 | 0677 | 0666 | 0666 | 0666 | 0677 | 0677 | | 0677 | |
| ANIMAL ID | 00326 | 00307 | 00308 | 00309 | 00310 | 00311 | 00312 | 00313 | 00314 | 00315 | 00316 | 00317 | 00318 | 00319 | 00320 | 00321 | 00322 | 00323 | 00324 | 00325 | 00326 | 00327 | 00328 | 00329 | 00330 | | |
| Inflammation, Acute | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | 45 | |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Galactocele | | | | | | | | | | | | | | | | | | | | | | | | | | 2 2.5 | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Hydrocephalus | 2 | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| RESPIRATORY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Larynx | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | 2 3.0 | |
| Metaplasia, Squamous | | | | | | | | | | | | | | | | | | | | | | | | | | 3 2.3 | |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:55
 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 | | | | |
| 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 | | |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | 1 | 1 | | | | | 1 | | | | 1 | | | | | 1 | 13 | 1.3 | |
| Bronchiole, Hyperplasia | | | | | | | 2 | 2 | | | | | | | | | | | | | | | | | 2 | 2.0 | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Foreign Body | | | | | | | | | | | | | | | | | | | | | | | X | | 4 | | |
| Inflammation, Chronic Active | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 3 | 1 | | 1 | 2 | 1 | 1 | 1 | 4 | 2 | 1 | 1 | 3 | 4 | 2 | 1 | 1 | 3 | 45 | 1.8 |
| Thrombosis | | | | 4 | | | | | | | | | | | | | | | | | | | | | 3 | 2.3 | |
| Olfactory Epithelium, Metaplasia, Respiratory | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 4 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 4 | 3 | 2 | 3 | 3 | 4 | 50 | 2.8 |
| Respiratory Epithelium, Hyperplasia | | | | | | 1 | | 1 | | | | | | | | 1 | | | | 2 | 2 | | | | 2 | 12 | 1.6 |
| Turbinate, Atrophy | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 50 | 2.8 |
| Turbinate, Hyperostosis | 1 | 2 | 3 | 2 | 2 | 2 | 1 | 2 | 2 | 3 | 1 | 2 | 2 | 2 | 1 | 2 | 3 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 50 | 1.9 |
| Pleura | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | |
| Cataract | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 | |
| Degeneration | | | | | | | | | | | | | | | | | | 4 | | | | 4 | | | 3 | 4.0 | |
| Retina, Atrophy | | | | | | | | | | | | 2 | | | | | | | | | | | | | 4 | 2.5 | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Fibrosis | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | |
| Hydronephrosis | | | | | | | | | | | | 3 | | | | | | | | | | | | | 1 | 3.0 | |
| Infarct | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | |

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

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:55
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

| FISCHER 344 RATS FEMALE
50 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|--------------|
| | 0526 | 0533 | 0538 | 0541 | 0545 | 0547 | 0550 | 0556 | 0560 | 0563 | 0567 | 0570 | 0573 | 0577 | 0580 | 0583 | 0587 | 0590 | 0593 | 0597 | | 0600 |
| ANIMAL ID | 0052 | 0055 | 0058 | 0061 | 0064 | 0067 | 0070 | 0073 | 0076 | 0079 | 0082 | 0085 | 0088 | 0091 | 0094 | 0097 | 0100 | 0103 | 0106 | 0109 | 0112 | |
| Hyperplasia | 1 | 2 | | | 2 | | 2 | | | 2 | | | | | | | | | | | | 9 1.8 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Parathyroid Gland
Angiectasis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | 45
1 4.0 |
| Pituitary Gland
Pars Distalis, Angiectasis | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | 49
4 2.3 |
| Pars Distalis, Hyperplasia | | | 2 | | 2 | | | | | | | | | | | | | | | | 3 2 | 12 2.4 |
| Thyroid Gland
C-cell, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48
32 1.3 |
| 1 | 1 | 1 | | 1 | | | 2 | 1 | 1 | 1 | 3 | 1 | | 1 | 1 | | 1 | 2 | | 1 | 1 | |
| GENERAL BODY SYSTEM | | | | | | | | | | | | | | | | | | | | | | |
| Peritoneum | | | | | | | | | | | | | | | | | | | | | | 1 |
| GENITAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | |
| Clitoral Gland
Hyperplasia | + | M | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | 45
1 2.0 |
| Ovary
Cyst | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50
1 3.0 |
| Bursa, Dilatation | 3 | 3 | | | 3 | | | | 3 | 3 | | | 4 | | | | | | | | 3 | 17 3.1 |
| Follicle, Cyst | | | 2 | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Periovarian Tissue, Cyst | | | | | | | | | | | | | | | | | | | | | | 2
1 2.0 |
| Uterus
Endometrium, Hyperplasia, Cystic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50
1 4.0 |

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

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 CAS Number: 75-35-4

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 Lab: BNW

| FISCHER 344 RATS FEMALE
50 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | 0
5
2
6 | 0
5
6
3 | 0
6
9
8 | 0
7
3
1 | 0
5
1
4 | 0
7
3
1 | 0
6
5
9 | 0
6
0
3 | 0
7
3
1 | 0
7
2
6 | 0
7
2
9 | 0
5
1
4 | 0
7
3
3 | 0
5
7
2 | 0
7
3
3 | 0
4
2
3 | 0
7
3
1 | 0
7
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2 | 0
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3 | 0
4
2
1 | | 0
7
1
5 | 0
7
3
2 | | |
| ANIMAL ID | 0
0
5
2
6 | 0
0
5
2
7 | 0
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2
8 | 0
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9 | 0
0
5
3
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0
5
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1 | 0
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5
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2 | 0
0
5
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3 | 0
0
5
3
4 | 0
0
5
3
5 | 0
0
5
3
6 | 0
0
5
3
7 | 0
0
5
3
8 | 0
0
5
3
9 | 0
0
5
4
0 | 0
0
5
4
1 | 0
0
5
4
2 | 0
0
5
4
3 | 0
0
5
4
4 | 0
0
5
4
5 | 0
0
5
4
6 | 0
0
5
4
7 | 0
0
5
4
8 | 0
0
5
4
9 | 0
0
5
5
0 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | 3 | 1 3.0 | | | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone Hyperostosis | + | | | | | | | | | | | | | | | | | | | | 3 | 50 1 3.0 | | | |
| Skeletal Muscle Fibrosis | | | | | | | | | | | | | | | | | | | | | 3 | 3 1 3.0 | | | |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain | + | | | | | | | | | | | | | | | | | | | | 50 | | | | |
| RESPIRATORY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Larynx Inflammation, Chronic Active | + | | | | | | | | | | | | | | | | | | | | 2 | 50 1 2.0 | | | |
| Lung Hemorrhage | + | | | | | | | | | | | | | | | | | | | | 1 | 50 1 1.0 | | | |
| Lung Inflammation, Chronic Active | + | | | | | | | | | | | | | | | | | | | | 1 | 1 1.0 | | | |
| Lung Alveolar Epithelium, Hyperplasia | + | | | | | | | | | | | | | | | | | | | | 2 | 1 1.0 | | | |
| Lung Alveolar Epithelium, Metaplasia, Squamous | + | | | | | | | | | | | | | | | | | | | | 1 | 13 1.3 | | | |
| Lung Alveolus, Infiltration Cellular, Histiocyte | + | | | | | | | | | | | | | | | | | | | | 1 | 2 1.5 | | | |
| Lung Bronchiole, Hyperplasia | + | | | | | | | | | | | | | | | | | | | | 2 | 2 1.5 | | | |
| Nose Inflammation, Chronic Active | + | | | | | | | | | | | | | | | | | | | | 2 | 1 2.0 | | | |
| Nose Thrombosis | + | | | | | | | | | | | | | | | | | | | | 2 | 46 2.0 | | | |
| Nose Olfactory Epithelium, Metaplasia, Respiratory | + | | | | | | | | | | | | | | | | | | | | 3 | 2 2.0 | | | |
| | + | | | | | | | | | | | | | | | | | | | | 3 | 50 3.1 | | | |

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

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:55
 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 | 0775 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | | 0777 | |
| ANIMAL ID | 0052 | 0055 | 0066 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | | |
| Olfactory Epithelium, Metaplasia, Squamous | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Respiratory Epithelium, Hyperplasia | | | | | | 2 | | 2 | | | 3 | | | | | | | | 1 | | 2 | 14 | 1.7 |
| Turbinate, Atrophy | 4 | 4 | 3 | 3 | 4 | 3 | 4 | 3 | 4 | 3 | 3 | 4 | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Turbinate, Hyperostosis | 2 | 3 | 2 | 3 | 3 | 2 | 2 | 1 | 3 | 3 | 2 | 3 | 3 | 2 | 2 | 3 | 2 | 3 | 3 | 3 | 2 | 3 | 1 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Cataract | | | | | | | 3 | | | | | | | | | | | | 2 | | | 3 | 2.3 |
| Degeneration | | | | | | | | | | | | | | | | | | 4 | | | | 1 | 4.0 |
| Retina, Atrophy | | | | | | | 4 | | | | | | | | | | | | | 2 | | 3 | 3.0 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Lacrimal Gland | | | | | | | | | | | | | | | | | | | | | | 1 | 1 |
| Cytoplasmic Alteration | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Zymbal's Gland | | | | | | | | | | | | | | | | | | | | | | 1 | 1 |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Hyperplasia, Oncocytic | | 1 | | | | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Nephropathy | | 1 | 1 | 2 | | 1 | 2 | 1 | 2 | 2 | | 1 | 1 | 1 | 1 | 2 | | 2 | 1 | 2 | 1 | 2 | 43 |
| Renal Tubule, Necrosis | | | | | 2 | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:55
 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...) |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|---|-----------|----------------------|
| | 0
6
5
6 | 0
3
9
5 | 0
7
0
5 | 0
7
3
3 | 0
7
0
4 | 0
7
2
5 | 0
7
3
2 | 0
7
3
1 | 0
6
4
2 | 0
5
6
7 | 0
7
3
2 | 0
7
3
3 | 0
6
5
5 | 0
6
7
7 | 0
7
3
1 | 0
6
5
6 | 0
7
1
2 | 0
6
4
2 | 0
7
3
2 | 0
6
4
5 | 0
6
7
0 | 0
6
5
7 | 0
6
7
5 | | | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | M | + | M | + | M | M | + | + | + | + | M | + | M | + | |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Skin
Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain
Necrosis | + | + | + | + | + | + | 2 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| RESPIRATORY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Larynx | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Lung
Thrombosis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | 1 | | | | | 1 | | | | | 1 | 4 | | |
| Alveolar Epithelium, Metaplasia, Squamous | | | | | | | | | | | 2 | | | | | | | | | 1 | | | | | | |
| Alveolus, Infiltration Cellular, Histiocyte | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| Bronchiole, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nose
Foreign Body | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| | | | | | | | X | | | | | X | | | | | | | | | X | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

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 1) Minimal 3) Moderate
 2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:55
 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 | 0774 | 0775 | 0776 | 0777 | 0778 | 0666 | 0555 | 0776 | 0777 | 0666 | 0667 | 0776 | 0777 | 0666 | 0555 | 0776 | 0777 | | | 0666 | 0667 | 0666 |
| Inflammation, Chronic Active | 1 | 4 | 2 | 2 | 4 | 4 | 1 | 3 | | 1 | 1 | 1 | 1 | 4 | 4 | 4 | 2 | 4 | 4 | 1 | 4 | 4 | 4 | 4 | 4 |
| Polyp, Inflammatory | | | | 4 | | | | 2 | | | | | | | | | | | | | | | | | |
| Thrombosis | 3 | | | | 3 | | | | | | | | | | | | | | 2 | | 2 | | 3 | | |
| Olfactory Epithelium, Metaplasia, Respiratory | 3 | 3 | 4 | 3 | 4 | 4 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 |
| Olfactory Epithelium, Metaplasia, Squamous | | | | | | | | | | | | | | | | | 2 | | | | | | | | |
| Respiratory Epithelium, Hyperplasia | | | | 2 | 2 | 1 | | 2 | | | | | 3 | 3 | | | | 2 | 1 | | | 1 | 1 | 3 | |
| Respiratory Epithelium, Metaplasia, Squamous | | | | | | | | | | | | | | | | | | | | | 3 | | | | |
| Turbinate, Atrophy | 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 |
| Turbinate, Hyperostosis | 3 | 2 | 2 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 3 | 3 | 2 |
| Pleura
Hyperplasia
Infiltration Cellular, Mononuclear Cell | | | | | | | | | | | | | | | | | | | | | | | | | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Cataract | | | | | | | | | | | | | | | | 2 | | | | | | | | | |
| Retina, Atrophy | | | | | | | | | | | | | 2 | 3 | | | | | | | | | | | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Lacrimal Gland
Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney
Infarct | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
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Experiment Number: 20303 - 05
 Test Type: CHRONIC
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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:55
 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

| FISCHER 344 RATS FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|-------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| | 0628 | 0717 | 0683 | 0773 | 0773 | 0679 | 0772 | 0772 | 0772 | 0772 | 0772 | 0166 | 0767 | 0667 | 0766 | 0766 | 0575 | 0776 | 0666 | 0676 | 0767 | 0667 | 0667 | | |
| 100 ppm | 00726 | 00777 | 00722 | 00722 | 00722 | 00733 | 00733 | 00733 | 00733 | 00733 | 00733 | 00733 | 00733 | 00733 | 00733 | 00733 | 00744 | 00744 | 00744 | 00744 | 00744 | 00744 | 00744 | 00744 | 50 |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|--------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Intestine Large, Cecum | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Angiectasis | | | | | | | | | | 2 | | | | | | 2 | | | | | 2 | | | | 5 2.0 | |
| Basophilic Focus | | X | X | | X | X | | X | X | | X | | X | X | X | | X | X | | X | X | | X | X | 29 | |
| Clear Cell Focus | | | | X | X | X | | | | X | | | | | | X | | | X | | X | X | | | 18 | |
| Degeneration, Cystic | | | 3 | | | | | | | | | | 4 | | 3 | 2 | | | | | | | | | 7 2.7 | |
| Eosinophilic Focus | | | X | X | | X | X | X | | X | | X | | X | X | | X | X | | | | | X | | 16 | |
| Fatty Change, Diffuse | | | | 2 | | 3 | | 1 | | 2 | 3 | | 2 | | 2 | 4 | 2 | | 1 | | | 3 | 1 | 1 | 30 2.0 | |
| Hepatodiaphragmatic Nodule | | | | X | | | X | | | | | | X | | | X | | | | | | | | | 5 | |
| Inflammation, Chronic | 2 | 3 | 1 | 3 | 2 | 3 | 2 | 3 | 1 | 3 | 1 | | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 1 | 1 | 2 | 2 | 2 | 3 | 48 2.1 |
| Mixed Cell Focus | | | X | X | X | | X | | X | X | | | | | X | | | | | | | X | X | | | 13 |
| Necrosis | 1 | 3 | | | | | | | 2 | | | | | 1 | 2 | 2 | | | | | | | | 2 | | 11 1.8 |
| Bile Duct, Hyperplasia | | | 2 | | | | | | | | | | | 1 | | | | | | | | | | | | 6 1.3 |
| Mesentery | + | + | | + | | | | + | + | | | | | | + | + | + | | | | + | + | + | + | 24 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
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 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:55
 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 | 0771 | 0777 | 0676 | 0777 | 0777 | 0777 | 0777 | 0777 | 0116 | 0677 | 0767 | 0676 | 0777 | 0575 | 0777 | 0666 | 0666 | 0777 | 0676 | | | | | |
| ANIMAL ID | 00726 | 00772 | 00778 | 00779 | 00780 | 00781 | 00782 | 00783 | 00784 | 00785 | 00786 | 00787 | 00788 | 00789 | 00790 | 00791 | 00792 | 00793 | 00794 | 00795 | 00796 | 00797 | | | | | |
| Fat, Necrosis | 2 | | 2 | | | | 2 | 2 | | | | | | | 2 | 2 | 2 | | | 2 | 2 | 2 | 2 | 23 | 2.0 | | |
| Oral Mucosa
Pharyngeal, Hyperplasia, Squamous | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 3.0 | |
| Pancreas
Acinus, Atrophy | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 11 | 1.3 | |
| Acinus, Hyperplasia | 1 | | 1 | | 1 | | | | | | 2 | | | 2 | | | 2 | | | 1 | | 1 | | 3 | 3 | 2.0 | |
| Salivary Glands
Atrophy | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 | 2.0 | |
| Basophilic Focus | X | | | | | | 2 | | | | | | | | | | | | | | | | | 1 | 1 | | |
| Stomach, Forestomach
Hyperplasia, Squamous | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 2 | 2.5 | |
| Ulcer | | | 3 | | | | | | | | | | | | | | | | | | | | 3 | 3 | 3.3 | | |
| Stomach, Glandular
Necrosis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 6 | 1.5 | |
| | | 2 | | | | | | | | | | | | | 1 | | | | | | | | | 1 | 6 | 1.5 | |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heart
Cardiomyopathy | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 27 | 1.3 | |
| Thrombosis | | | | 1 | 1 | 2 | 1 | 1 | | 1 | 1 | | | | | 3 | 1 | 1 | 1 | 2 | 1 | | | 3 | 1 | 1 | 3.0 |
| Pericardium, Fibrosis | | | | | | | | | | | | 2 | | | | | | | | | | | | | 1 | 1 | 2.0 |
| ENDOCRINE SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Cortex
Degeneration, Cystic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 | 3.0 | |
| | | | 3 | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |

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 Species/Strain: RATS/F 344/N

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 Vinylidene chloride
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| FISCHER 344 RATS FEMALE
100 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|------------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|------|-----|
| | 0628 | 0717 | 0673 | 0773 | 0773 | 0676 | 0777 | 0777 | 0777 | 0777 | 0116 | 0677 | 0676 | 0776 | 0676 | 0776 | 0575 | 0776 | 0666 | 0676 | | 0676 | |
| ANIMAL ID | 00726 | 00777 | 00777 | 00777 | 00777 | 00777 | 00777 | 00777 | 00777 | 00777 | 00777 | 00777 | 00777 | 00777 | 00777 | 00777 | 00777 | 00777 | 00777 | 00777 | | | |
| Hyperplasia | 2 | | 2 | 2 | 3 | | 2 | 2 | 3 | | | | | 2 | 2 | | | | | 2 | 2 | 25 | 2.1 |
| Hypertrophy | | | | | | | | | | | | | | | 2 | | | | | 2 | 2 | 4 | 2.0 |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | 2 | 1 | 2.0 |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Hyperplasia | | 2 | | | | | | 3 | 2 | 2 | | | | | 2 | | | | | | 2 | 12 | 2.1 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Parathyroid Gland | + | + | + | + | + | M | + | + | + | I | + | + | + | + | + | + | + | + | + | + | + | 47 | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Pars Distalis, Angiectasis | | | | | | | | | | | | | | | | | | 3 | | | | 1 | 3.0 |
| Pars Distalis, Hyperplasia | 3 | | | | 3 | | 2 | | | 3 | | | | | 2 | | | | 3 | | | 11 | 2.4 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| C-cell, Hyperplasia | 1 | 1 | | 2 | | | | | | | | | 3 | | 2 | 1 | | 1 | 1 | 1 | 1 | 27 | 1.3 |
| Follicular Cell, Hyperplasia | | | | | | | | | | | | | | | | | | | | | 2 | 1 | 2.0 |
| GENERAL BODY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Peritoneum | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Mesothelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 |
| GENITAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | 48 | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | 2 | 1 | 2.0 |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:55
 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 | 0731 | 0771 | 0669 | 0772 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | | | | | |
| ANIMAL ID | 00726 | 00777 | 00778 | 00779 | 00780 | 00781 | 00782 | 00783 | 00784 | 00785 | 00786 | 00787 | 00788 | 00789 | 00790 | 00791 | 00792 | 00793 | 00794 | 00795 | 00796 | 00797 | 00798 | 00799 | | | | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 1 | 3.0 | | |
| Bursa, Dilatation | | | 4 | | | | 3 | 2 | 3 | 4 | | | | | 3 | 3 | | | | | 4 | 2 | 4 | 3 | | 3 | 24 | 3.2 | |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | | |
| Endometrium, Hyperplasia, Cystic | | | | | | | | | | | | | | | | | | | | | | 3 | | | | | 1 | 3.0 | |
| Vagina | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | |
| Lymph Node | + | | + | | | | | | | + | | | | | | | | | | | | + | + | + | | 9 | | | |
| Lymph Node, Bronchial | + | + | M | M | M | M | M | M | M | M | M | M | M | + | + | + | + | M | M | M | + | M | M | M | M | 10 | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | 1 | 2.0 | |
| 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 | 4 | | | |
| Lymph Node, Mediastinal | M | + | M | + | + | + | + | + | + | + | M | + | + | + | M | M | + | M | + | + | + | + | + | M | + | 38 | | | |
| Ectasia | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | 1 | 1.0 | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | |
| Inflammation, Granulomatous | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4.0 | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | |
| Fibrosis | | | | | | | 2 | | | | | | | | | | 3 | 3 | | | | | | | | | 4 | 2.8 | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 2.7 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
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Experiment Number: 20303 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 12/12/2011
 Time Report Requested: 09:47:55
 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 | 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 | | | | | |
| Thymus | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | 42 | | | | |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | | |
| Skin
Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50
3 | 1 3.0 | | | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | | |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain
Necrosis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50
1 | 2.0 | | | |
| RESPIRATORY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Larynx | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | | |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | | |
| Thrombosis | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 1.0 | | | |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | 1 1 3 | 8 1.6 | | |
| Alveolar Epithelium, Metaplasia, Squamous | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2 1.5 | |
| Alveolus, Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 1.0 |
| Bronchiole, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 1.0 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | | |
| Foreign Body | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | 5 |

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

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20303 - 05
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 Route: RESPIRATORY EXPOSURE WHOLE BODY
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 First Dose M/F: 06/06/05 / 06/06/05
 Lab: BNW

| FISCHER 344 RATS FEMALE
100 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|------|----|-----|-------|
| | 0628 | 0717 | 0678 | 0731 | 0779 | 0672 | 0772 | 0777 | 0777 | 0777 | 0777 | 0116 | 0677 | 0767 | 0676 | 0777 | 0575 | 0776 | 0666 | 0776 | | 0667 | 0676 | | | |
| ANIMAL ID | 00726 | 00777 | 00778 | 00779 | 00780 | 00781 | 00782 | 00783 | 00784 | 00785 | 00786 | 00787 | 00788 | 00789 | 00790 | 00791 | 00792 | 00793 | 00794 | 00795 | 00796 | 00797 | | | | |
| Inflammation, Chronic Active | 4 | 4 | 1 | 4 | 1 | 1 | 4 | 4 | 4 | 4 | 4 | 4 | 2 | 1 | 4 | 4 | 4 | 4 | 1 | 4 | 1 | 2 | 2 | 46 | 2.9 | |
| Polyp, Inflammatory | | | | | | | | | | | | | | | | 3 | | | | | | | | 3 | 3.0 | |
| Thrombosis | | | | | | | | | | | | | | | | 2 | | | | | | | 1 | 7 | 2.3 | |
| Olfactory Epithelium, Metaplasia, Respiratory | 4 | 4 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 2 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 3 | 4 | 3 | 4 | 3 | 50 | 3.6 |
| Olfactory Epithelium, Metaplasia, Squamous | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Respiratory Epithelium, Hyperplasia | 2 | 3 | | 3 | | | 2 | 2 | 2 | 3 | 4 | | 2 | 1 | | 2 | 1 | 3 | 3 | | 1 | | 1 | 27 | 2.1 | |
| Respiratory Epithelium, Metaplasia, Squamous | | | | | | | 2 | | | 2 | | | | | | | | | | | | | | 3 | 2.3 | |
| Turbinate, Atrophy | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 50 | 4.0 |
| Turbinate, Hyperostosis | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 2 | 3 | 3 | 2 | 1 | 3 | 4 | 3 | 3 | 3 | 3 | 4 | 3 | 4 | 2 | 3 | 3 | 50 | 2.8 |
| Pleura | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Mononuclear Cell | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Cataract | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Retina, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | 2 2.5 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Lacrimal Gland | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | | |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Infarct | | | | | | | | | | | | | | | | | | | | | | | | | | |

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