

**Experiment Number:** 20303 - 06  
**Test Type:** CHRONIC  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Vinylidene chloride  
**CAS Number:** 75-35-4

**Date Report Requested:** 03/26/2012  
**Time Report Requested:** 12:00:38  
**First Dose M/F:** 06/20/05 / 06/20/05  
**Lab:** BNW

F2\_M3

**NTP Study Number:** C20303  
**Lock Date:** 05/19/2008  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 2.6.0.0\_007  
**PWG Approval Date:** NONE





















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B6C3F1 MICE MALE Control	DAY ON TEST	0729	0623	0729	0639	0731	0770	0773	0777	0777	0777	0662	0666	0777	0777	0777	0777	0666	0446	0667	0575	0776	0665	0771	0662	* TOTALS	
	ANIMAL ID	00026	00027	00028	00029	00030	00031	00032	00033	00034	00035	00036	00037	00038	00039	00040	00041	00042	00043	00044	00045	00046	00047	00048	00049		
Hyperplasia				2														3								3 2.3	
Parathyroid Gland		M	I	+	+	M	M	M	M	+	+	+	+	+	+	+	+	+	M	+	+	M	+	M	M	M	26
Pituitary Gland Pars Distalis, Hyperplasia		+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	1 1.0
Thyroid Gland		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
<b>GENERAL BODY SYSTEM</b>																											
NONE																											
<b>GENITAL SYSTEM</b>																											
Epididymis Inflammation, Chronic Spermatocele		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1 2.0 1 1.0
Preputial Gland Ectasia Inflammation, Suppurative Inflammation, Chronic Active		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1 3.0 1 3.0 3 2.3
Prostate Inflammation, Suppurative		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1 2.0
Seminal Vesicle		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Testes Germinal Epithelium, Degeneration		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	2 2.0

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 Lab: BNW

B6C3F1 MICE MALE	DAY ON TEST																								* TOTALS	
	0729	0623	0729	0623	0729	0623	0729	0623	0729	0623	0729	0623	0729	0623	0729	0623	0729	0623	0729	0623	0729	0623	0729	0623		0729
Control	0026	0007	0008	0009	0000	0001	0002	0003	0004	0005	0006	0007	0008	0009	0000	0001	0002	0003	0004	0005	0006	0007	0008	0009	0000	50

**MUSCULOSKELETAL SYSTEM**

Bone Hyperostosis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1	2.0
Skeletal Muscle																								1				

**NERVOUS SYSTEM**

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
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**RESPIRATORY SYSTEM**

Larynx Foreign Body	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1		
Larynx Inflammation, Suppurative																									1	2.0			
Larynx Inflammation, Chronic Active																									1	2.0			
Larynx Metaplasia, Squamous																								2	1	2.0			
Lung Hemorrhage	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1	3.0	
Lung Inflammation, Chronic Active	1																								2	2	1.5		
Lung Alveolar Epithelium, Hyperplasia											2											1	3	1.3					
Lung Alveolus, Infiltration Cellular, Histiocyte																						1	4	1.0					
Nose Foreign Body	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	2		
Nose Hyperostosis																									2	1	2.0		
Nose Inflammation, Suppurative																1	2	3	1.3										
Nose Olfactory Epithelium, Accumulation, Hyaline Droplet																1	2	1.0											

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 Species/Strain: MICE/B6C3F1

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 Lab: BNW

B6C3F1 MICE MALE	DAY ON TEST																								* TOTALS	
	0729	0623	0729	0623	0729	0623	0729	0623	0729	0623	0729	0623	0729	0623	0729	0623	0729	0623	0729	0623	0729	0623	0729	0623		0729
<b>Control</b>	ANIMAL ID																									
	0026	0007	0008	0009	0000	0001	0002	0003	0004	0005	0006	0007	0008	0009	0000	0001	0002	0003	0004	0005	0006	0007	0008	0009	0000	
Olfactory Epithelium, Atrophy																										1 2.0
Olfactory Epithelium, Metaplasia, Respiratory	1	1	2			1				1			2	1	1	1				2	1					17 1.2
Olfactory Epithelium, Necrosis		1																		2						4 1.5
Respiratory Epithelium, Accumulation, Hyaline Droplet				1		1	1					1		2		1	1						1			17 1.1
Respiratory Epithelium, Hyperplasia	2	1		1	1	1	1	2	1	1	2	1	1	1		2	1	2		1	1	1	1	1		37 1.3
Respiratory Epithelium, Metaplasia, Squamous																				2						2 1.5
Respiratory Epithelium, Necrosis																				1						2 1.0
Pleura																										1
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Inflammation, Suppurative	1																									1 1.0
<b>SPECIAL SENSES SYSTEM</b>																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
<b>URINARY SYSTEM</b>																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cyst								2																		1 2.0
Hydronephrosis																3										2 2.5
Infarct															2											2 2.0
Metaplasia, Osseous			2														1									2 1.5
Mineralization				2																						1 2.0
Nephropathy	1	1	2	3	3	2	2		2	2		3	2	2	2	2	2		1		2		2	2	44 1.9	
Papilla, Necrosis																						2				1 2.0

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B6C3F1 MICE MALE 6.25 ppm	DAY ON TEST																									ANIMAL ID	males (cont...)
	0701	0702	0703	0704	0705	0706	0707	0708	0709	0710	0711	0712	0713	0714	0715	0716	0717	0718	0719	0720	0721	0722	0723	0724	0725		
	0	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	
Olfactory Epithelium, Metaplasia, Respiratory	1		1	1		1	1		1	1	1	1	2	1	1	2	1	1	1	2	1	2		1	1		
Olfactory Epithelium, Necrosis																											
Respiratory Epithelium, Accumulation, Hyaline Droplet			1		1			1		1						1		1	2	1	1			1			
Respiratory Epithelium, Hyperplasia	1	1	1	1	1	1	1	1	1		1		1		1	1	1	1	1	2	1	1			2		
Turbinate, Atrophy	2	2	1	1	1	1	1	1	1	1		1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	
Pleura																											
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
<b>SPECIAL SENSES SYSTEM</b>																											
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Cornea, Hyperplasia, Squamous																											
Cornea, Inflammation, Chronic Active																											
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Hyperplasia												3													2		
Inflammation, Chronic Active																									2		
<b>URINARY SYSTEM</b>																											
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Cyst			2																								
Infarct														2													
Metaplasia, Osseous																											
Nephropathy		2	2	1	1	1		1	1	3	2		2	2	1	1	3	2	2	2	1	2	1	3	1		
Renal Tubule, Hyperplasia						2																		1			
Renal Tubule, Pigmentation																		2									

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B6C3F1 MICE MALE 6.25 ppm	DAY ON TEST																								* TOTALS	
	0619	0729	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779		
	ANIMAL ID																									
	002226	002227	002228	002229	002230	002231	002232	002233	002234	002235	002236	002237	002238	002239	002240	002241	002242	002243	002244	002245	002246	002247	002248	002249		
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hyperplasia, Squamous																										1 2.0
Inflammation, Chronic Active									2										2							2 2.0
Mineralization													1													1 1.0
Necrosis																			2							2 1.5
Ulcer																										1 2.0
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Inflammation, Acute																			1							1 1.0
Mineralization																						1				1 1.0
Necrosis			1																							3 1.3
Tooth		+																							2	
Dysplasia		3																								2 3.5
<b>CARDIOVASCULAR SYSTEM</b>																										
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Cardiomyopathy		2	2		1				1			1	1							1	1					10 1.2
<b>ENDOCRINE SYSTEM</b>																										
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hyperplasia			2				1				1		1													6 1.3
Hypertrophy					1		1			1							2	2				2				11 1.4
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	

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B6C3F1 MICE MALE 6.25 ppm	DAY ON TEST																								* TOTALS			
	0619	0729	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779				
ANIMAL ID	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022				
Hyperplasia																									2	3 2.0		
Islets, Pancreatic Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2	49	4 2.5	
Parathyroid Gland	+	+	M	+	M	M	M	M	M	+	M	M	+	+	+	M	M	+	M	+	M	M	M	+	+		22	
Pituitary Gland Pars Distalis, Hyperplasia	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+		49	1 2.0	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		49		
<b>GENERAL BODY SYSTEM</b>																												
NONE																												
<b>GENITAL SYSTEM</b>																												
Epididymis Granuloma Sperm	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		50	1 2.0	
Preputial Gland Ectasia Inflammation, Chronic Active	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2	50	1 4.0 5 2.4	
Prostate Inflammation, Suppurative	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		50	1 3.0	
Seminal Vesicle Inflammation, Suppurative	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		50	1 3.0	

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	0619	0729	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	0779	
ANIMAL ID	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	0022	
Olfactory Epithelium, Metaplasia, Respiratory	1	2		1		1	1	1	1		1	1	1		1	1		1	2	1	2	2	1		
Olfactory Epithelium, Necrosis				1																				1	
Respiratory Epithelium, Accumulation, Hyaline Droplet		1			1				1		1	2			1	1	1	1	2		2				
Respiratory Epithelium, Hyperplasia	1	1		1	1		1	1	1			2	2		1	1	1			1	1	2	2	1	
Turbinate, Atrophy	1	2		1	1	1		1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Pleura																								1	
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
<b>SPECIAL SENSES SYSTEM</b>																									
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Cornea, Hyperplasia, Squamous																								1	
Cornea, Inflammation, Chronic Active																								1	
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hyperplasia																								2	
Inflammation, Chronic Active																								2	
<b>URINARY SYSTEM</b>																									
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Cyst																								1	
Infarct																								2	
Metaplasia, Osseous					2																			1	
Nephropathy	1	1	3	1	2	2	1	1	2	1	2	2	1	2	1	2	2	2		1	1	1	1	2	
Renal Tubule, Hyperplasia			1							4										2	1		1	2	
Renal Tubule, Pigmentation																								1	

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B6C3F1 MICE MALE 12.5 ppm	DAY ON TEST																								* TOTALS	
	0600	0604	0607	0608	0609	0610	0611	0612	0613	0614	0615	0616	0617	0618	0619	0620	0621	0622	0623	0624	0625	0626	0627	0628		0629
ANIMAL ID	00426	00447	00401	00400	00404	00404	00404	00404	00404	00404	00404	00404	00404	00404	00404	00404	00404	00404	00404	00404	00404	00404	00404	00404	00404	00404
Fat, Necrosis																										
	4				2																					
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Artery, Inflammation, Chronic Active																										
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia, Squamous																										
Inflammation, Chronic Active																										
Necrosis																										
Submucosa, Necrosis																										
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Mineralization																										
Necrosis																										
Tongue																										
Angiectasis																										
CARDIOVASCULAR SYSTEM																										
Blood Vessel																										
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy																										
Thrombosis																										
Artery, Inflammation, Chronic Active																										

**ENDOCRINE SYSTEM**

\* .. 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 - 06  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 03/26/2012  
 Time Report Requested: 12:00:38  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

B6C3F1 MICE MALE 12.5 ppm	DAY ON TEST																				* TOTALS		
	0600	0400	0703	0600	0702	0703	0702	0702	0702	0402	0703	0703	0702	0602	0702	0703	0509	0702	0703	0703		0602	0509
ANIMAL ID	00426	00442	00442	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	
Mammary Gland	M	M	M	M	M	M	M	M	M	M	M	M	A	M	M	M	M	M	M	M	M	M	0
Skin Necrosis Epidermis, Hyperplasia, Squamous	+	+	+	+	+	+	+	+	+	+	+	+	3	+	+	+	+	+	+	+	+	+	50 3 2.7 1 1.0
<b>MUSCULOSKELETAL SYSTEM</b>																							
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Skeletal Muscle													+										2
<b>NERVOUS SYSTEM</b>																							
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
<b>RESPIRATORY SYSTEM</b>																							
Larynx Inflammation, Chronic Active	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 1 1.0
Lung Hemorrhage Inflammation, Chronic Active Alveolar Epithelium, Hyperplasia Alveolus, Infiltration Cellular, Histiocyte	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 1 2.0 3 1.0 4 1.8 3 1.3
Nose Foreign Body Hemorrhage Hyperostosis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49 2 1 2.0 45 2.1

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

Experiment Number: 20303 - 06  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 03/26/2012  
 Time Report Requested: 12:00:38  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

B6C3F1 MICE MALE 12.5 ppm	DAY ON TEST																				* TOTALS				
	0600	0400	0731	0604	0729	0731	0779	0779	0779	0472	0779	0779	0779	0676	0779	0779	0779	0575	0779	0779		0779	0676	0579	
ANIMAL ID	00426	00442	00442	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444		
Inflammation, Suppurative	1			2	2																			4 1.8	
Olfactory Epithelium, Accumulation, Hyaline Droplet					1					2			1			2		2	1			1	2	13 1.3	
Olfactory Epithelium, Atrophy				1																				1 1.0	
Olfactory Epithelium, Metaplasia, Respiratory	2			2	2	2	1	2	2	2	2	1	1	2	1	1	1	2	2	2	1	2	2	1	47 1.6
Olfactory Epithelium, Necrosis					1																			2 1.5	
Respiratory Epithelium, Accumulation, Hyaline Droplet		1	1		1	1			1	2		1		1	1		1		1		1	1		24 1.2	
Respiratory Epithelium, Hyperplasia	1	1	2	1	1	1			1	2	1		1	1	2		3	2	1	1	1	1	1	35 1.5	
Respiratory Epithelium, Metaplasia, Squamous					1																			3 1.0	
Respiratory Epithelium, Necrosis																								2 1.5	
Turbinate, Atrophy	2	1	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	46 2.1	
Turbinate, Necrosis																								1 2.0	
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
<b>SPECIAL SENSES SYSTEM</b>																									
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Degeneration																								1 3.0	
Cornea, Inflammation, Chronic Active																1								1 1.0	
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hyperplasia				2																		2		3 2.7	
<b>URINARY SYSTEM</b>																									
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Cyst	2		2		2		2							2										5 2.0	
Hydronephrosis																								1 2.0	
Infarct																								2 2.0	

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Experiment Number: 20303 - 06  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 03/26/2012  
 Time Report Requested: 12:00:38  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

<b>B6C3F1 MICE MALE</b>	DAY ON TEST	0 5 3 2	0 7 0 4	0 7 0 5	0 7 3 0	0 7 3 0	0 7 3 1	0 7 2 9	0 5 3 7	0 4 7 1	0 5 7 3	0 6 4 8	0 7 0 1	0 7 3 5	0 5 2 9	0 6 3 5	0 5 6 3	0 7 2 9	0 6 2 0	0 7 2 9	0 6 7 3	0 6 6 2	0 7 2 9	0 6 6 3	0 7 2 9	0 6 6 4	0 6 2 5	<b>males (cont...)</b>
	25 ppm	0 0 6 0 1	0 0 6 0 2	0 0 6 0 3	0 0 6 0 4	0 0 6 0 5	0 0 6 0 6	0 0 6 0 7	0 0 6 0 8	0 0 6 0 9	0 0 6 1 0	0 0 6 1 1	0 0 6 1 1	0 0 6 1 1	0 0 6 1 1	0 0 6 1 1	0 0 6 1 1	0 0 6 1 1	0 0 6 1 1	0 0 6 2 0	0 0 6 2 1	0 0 6 2 2	0 0 6 2 2	0 0 6 2 2	0 0 6 2 2	0 0 6 2 2	0 0 6 2 2	

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gallbladder	+	+	+	+	+	+	+	+	+	M	M	A	A	+	A	+	+	+	+	+	+	+	+	+	+	+	M	
Intestine Large, Cecum Artery, Inflammation	+	+	+	+	+	+	+	+	A	+	+	A	A	+	A	A	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Colon	+	+	+	+	+	+	+	+	A	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	A	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	A	+	+	A	A	+	A	A	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	A	+	+	A	A	+	A	A	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	A	+	+	A	A	+	A	A	+	+	+	+	+	+	+	+	+	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Basophilic Focus		X					X							X														
Clear Cell Focus				X	X									X														
Cyst				4																								
Degeneration, Cystic																												
Eosinophilic Focus							X									X					X							
Mineralization																												
Mixed Cell Focus																										X		
Necrosis									2	4		1				3												
Mesentery																												

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Experiment Number: 20303 - 06  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 03/26/2012  
 Time Report Requested: 12:00:38  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

<b>B6C3F1 MICE MALE</b>	DAY ON TEST	0693	0563	0661	0673	0742	0772	0779	0657	0575	0753	0771	0667	0779	0554	0578	0738	0573	0644	0734	0543	0747	0473	0730	
	ANIMAL ID	00626	00662	00662	00663	00663	00663	00663	00663	00666	00666	00666	00666	00666	00666	00666	00666	00666	00666	00666	00666	00666	00666	00666	
<b>25 ppm</b>		67890123456789012345678901234567890	67890123456789012345678901234567890	67890123456789012345678901234567890	67890123456789012345678901234567890	67890123456789012345678901234567890	67890123456789012345678901234567890	67890123456789012345678901234567890	67890123456789012345678901234567890	67890123456789012345678901234567890	67890123456789012345678901234567890	67890123456789012345678901234567890	67890123456789012345678901234567890	67890123456789012345678901234567890	67890123456789012345678901234567890	67890123456789012345678901234567890	67890123456789012345678901234567890	67890123456789012345678901234567890	67890123456789012345678901234567890	67890123456789012345678901234567890	67890123456789012345678901234567890	67890123456789012345678901234567890	67890123456789012345678901234567890	<b>* TOTALS</b>	

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>50</b>		
Gallbladder	A	+	A	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>41</b>		
Intestine Large, Cecum Artery, Inflammation	+	+	A	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	A	+	A	A	+	<b>40</b>	<b>1 2.0</b>
Intestine Large, Colon	+	+	A	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	A	+	A	A	+	<b>42</b>	
Intestine Large, Rectum	+	+	A	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	A	+	A	A	+	<b>42</b>	
Intestine Small, Duodenum	A	+	A	+	+	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	A	+	A	A	+	<b>38</b>	
Intestine Small, Ileum	+	+	A	+	+	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	A	+	A	A	+	<b>39</b>	
Intestine Small, Jejunum	+	+	A	+	+	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	A	+	A	A	+	<b>39</b>	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>50</b>		
Basophilic Focus											X										X	X		X	<b>7</b>		
Clear Cell Focus	X			X			X			X								X							<b>8</b>		
Cyst											4														<b>2 4.0</b>		
Degeneration, Cystic											2														<b>1 2.0</b>		
Eosinophilic Focus								X							X			X							<b>6</b>		
Mineralization					2																				<b>1 2.0</b>		
Mixed Cell Focus																									<b>1</b>		
Necrosis					2										3										<b>6 2.5</b>		
Mesentery					+									+											<b>3</b>		

\* .. 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  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

Experiment Number: 20303 - 06  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 03/26/2012  
 Time Report Requested: 12:00:38  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

B6C3F1 MICE MALE 25 ppm	DAY ON TEST																				* TOTALS								
	0693	0563	0663	0673	0742	0772	0772	0659	0579	0753	0773	0661	0571	0761	0771	0554	0554	0773	0573	0673		0753	0773	0664	0734	0343	0434	0749	0547
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	00666	00666	00666	00666	00666
Fat, Necrosis	2																				1 2.0								
Pancreas	+																				48								
Salivary Glands	+																				50								
Stomach, Forestomach	+																				49								
Hyperplasia, Squamous	2																				10 2.0								
Inflammation, Chronic Active	1 2 1																				7 1.6								
Necrosis	2																				4 1.8								
Ulcer																					2 2.0								
Artery, Inflammation, Chronic Active	2																				1 2.0								
Stomach, Glandular	+																				48								
Mineralization	1																				1 1.0								
Necrosis	1																				5 1.4								
Tooth																					1								
Dysplasia																					1 4.0								
<b>CARDIOVASCULAR SYSTEM</b>																													
Blood Vessel	+																				3								
Thrombosis																					1 3.0								
Heart	+																				50								
Cardiomyopathy	1 2 2 1																				13 1.4								
Thrombosis																					1 3.0								
Artery, Inflammation, Chronic Active	2																				2 2.0								
Endothelium, Hyperplasia																					1 3.0								

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B6C3F1 MICE MALE 25 ppm	DAY ON TEST																				* TOTALS	
	0693	0563	0663	0673	0742	0772	0772	0657	0577	0677	0677	0677	0677	0677	0677	0677	0677	0677	0677	0677		0677
ANIMAL ID	00626	00662	00662	00662	00662	00662	00662	00662	00662	00662	00662	00662	00662	00662	00662	00662	00662	00662	00662	00662	00662	
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Inflammation, Suppurative					3																	1 3.0
Inflammation, Chronic Active																						1 2.0
Artery, Inflammation, Chronic Active													2									1 2.0
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Dilatation																						1 3.0
Inflammation, Suppurative					4																	1 4.0
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Germinal Epithelium, Degeneration																						1 2.0
Interstitial Cell, Hyperplasia					2						2											2 2.0
<b>HEMATOPOIETIC SYSTEM</b>																						
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymph Node													+									2
Lumbar, Hyperplasia, Lymphoid												3										1 3.0
Lymph Node, Bronchial	+	+	+	+	M	+	M	M	+	+	M	+	M	M	+	M	+	M	M	M	M	19
Lymph Node, Mandibular	+	+	M	+	M	+	M	+	+	+	+	+	M	+	+	M	+	+	+	M	+	25
Lymph Node, Mediastinal	M	M	+	+	M	I	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	38
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	47
Angiectasis																					2	2 2.5
Inflammation, Granulomatous																		3				2 3.0
Artery, Inflammation, Chronic Active											2											1 2.0

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Experiment Number: 20303 - 06  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
 Vinylidene chloride  
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Date Report Requested: 03/26/2012  
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B6C3F1 MICE MALE 25 ppm	DAY ON TEST																				* TOTALS						
	0693	0563	0663	0673	0742	0772	0772	0665	0577	0757	0757	0676	0776	0577	0558	0738	0583	0738	0675	0757		0543	0734	0534	0747	0473	0730
ANIMAL ID	00626	00662	00662	00666	00666	00666	00666	00666	00666	00666	00666	00666	00666	00666	00666	00666	00666	00666	00666	00666	00666	00666	00666	00666	00666	00666	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hematopoietic Cell Proliferation		3																						3		5	
Lymphoid Follicle, Hyperplasia																										1	
Thymus	+	M	+	M	I	M	M	+	+	+	M	+	+	M	+	+	M	M	+	+	+	+	M	+	+	26	
<b>INTEGUMENTARY SYSTEM</b>																											
Mammary Gland	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	1
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Necrosis		2																								3	
Epidermis, Hyperplasia, Squamous													2													1	
<b>MUSCULOSKELETAL SYSTEM</b>																											
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Fibrous Osteodystrophy																										1	
Skeletal Muscle																+										2	
<b>NERVOUS SYSTEM</b>																											
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hemorrhage																										1	
Artery, Inflammation, Chronic Active																										1	
<b>RESPIRATORY SYSTEM</b>																											
Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Foreign Body																X								X		2	

\* .. 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  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

Experiment Number: 20303 - 06  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 03/26/2012  
 Time Report Requested: 12:00:38  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

B6C3F1 MICE MALE 25 ppm	DAY ON TEST																									* TOTALS
	0693	0653	0661	0663	0671	0674	0677	0677	0665	0657	0675	0677	0666	0677	0655	0655	0677	0657	0677	0666	0677	0655	0647	0673		
ANIMAL ID	006266	006666	006666	006666	006666	006666	006666	006666	006666	006666	006666	006666	006666	006666	006666	006666	006666	006666	006666	006666	006666	006666	006666	006666		
Inflammation																									1 1.0	
Inflammation, Suppurative																	1								1	2 1.0
Metaplasia, Squamous																							2			1 2.0
Artery, Inflammation, Chronic Active																	2									1 2.0
Squamous Epithelium, Necrosis																										1 1.0
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Inflammation, Chronic Active																										1 2.0
Alveolar Epithelium, Hyperplasia																										6 2.3
Alveolus, Infiltration Cellular, Histiocyte																										4 2.3
Serosa, Hyperplasia																										1 2.0
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Foreign Body																										4
Hyperostosis	2	1	2	1	2	1	2	2	2	2	3	3	2		3	3	2	3	2	3	3	3	2	2	48 2.2	
Inflammation, Suppurative																										7 1.3
Polyp, Inflammatory																										1 3.0
Olfactory Epithelium, Accumulation, Hyaline Droplet																										11 1.3
Olfactory Epithelium, Metaplasia, Respiratory																										48 1.8
Olfactory Epithelium, Necrosis																										4 1.3
Respiratory Epithelium, Accumulation, Hyaline Droplet																										16 1.2
Respiratory Epithelium, Hyperplasia	2	1	1	1	2	1		3	1	1	1	1	1		3	2	1	2	2	2	2		1	3	39 1.5	
Respiratory Epithelium, Necrosis																										3 1.3
Turbinate, Atrophy	3	3	3	3	3			3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	47 2.8
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Inflammation, Suppurative																										1 1.0
Inflammation, Chronic Active																										1 2.0

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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 - 06  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 03/26/2012  
 Time Report Requested: 12:00:38  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

<b>B6C3F1 MICE FEMALE</b>	DAY ON TEST	0 7 3 1	0 7 3 1	0 7 3 2	0 7 3 2	0 5 0 9	0 7 3 3	0 7 3 3	0 6 0 5	0 3 2 5	0 7 3 1	0 7 3 3	0 7 3 3	0 7 3 2	0 7 3 2	0 5 7 2	0 7 3 3	0 6 3 5	0 7 3 3	0 7 2 6	0 7 3 2	0 7 3 3	0 7 3 2	0 7 3 3	0 7 3 3	0 4 4 0		
	ANIMAL ID	0 0 1 0 1	0 0 1 0 2	0 0 1 0 3	0 0 1 0 4	0 0 1 0 5	0 0 1 0 6	0 0 1 0 7	0 0 1 0 8	0 0 1 0 9	0 0 0 1 0	0 0 1 1 1	0 0 1 1 1	0 0 1 1 1	0 0 1 1 1	0 0 1 1 1	0 0 1 1 1	0 0 1 1 1	0 0 1 1 1	0 0 1 1 1	0 0 1 1 1	0 0 1 2 2	0 0 1 2 2	0 0 1 2 2	0 0 1 2 2	0 0 1 2 2	0 0 1 2 2	0 0 1 2 2

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gallbladder Degeneration, Hyaline Hyperplasia	+	M	M	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum Inflammation, Suppurative	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum Ulcer	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis																											
Basophilic Focus																											X
Clear Cell Focus						X								X		X											
Eosinophilic Focus																										X	
Fatty Change									2																		
Hemorrhage																											
Infarct																											
Inflammation, Suppurative																											

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 X .. Lesion present  
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 BLANK .. Not examined microscopically  
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 1) Minimal 3) Moderate  
 2) Mild 4) Marked









Experiment Number: 20303 - 06  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 03/26/2012  
 Time Report Requested: 12:00:38  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

B6C3F1 MICE FEMALE Control	DAY ON TEST																									ANIMAL ID	females (cont...)
	0 7 3 1	0 7 3 1	0 7 3 2	0 7 3 2	0 5 0 9	0 7 3 3	0 7 3 3	0 6 0 5	0 3 2 5	0 7 3 1	0 7 3 3	0 7 3 3	0 7 3 2	0 7 3 2	0 5 7 2	0 7 3 5	0 6 3 3	0 7 3 3	0 7 2 6	0 7 3 2	0 7 3 3	0 7 3 2	0 7 3 3	0 7 3 4	0 7 3 5		
Olfactory Epithelium, Accumulation, Hyaline Droplet			1			2		1							1	1				2	2		1				
Olfactory Epithelium, Metaplasia, Respiratory Epithelium, Accumulation, Hyaline Droplet	2	2	1	2		2		1		1	1		1		1	2	1		1	2	2		1		1		
Respiratory Epithelium, Hyperplasia	1	1		1		1						1	1	1		2		1	1	1	1		1		1		
Respiratory Epithelium, Metaplasia, Squamous																									1		
Respiratory Epithelium, Necrosis																											
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Degeneration, Hyaline Foreign Body Inflammation, Chronic Active																											
<b>SPECIAL SENSES SYSTEM</b>																											
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia	2																										
<b>URINARY SYSTEM</b>																											
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hydronephrosis																										2	
Infarct			2																		2						
Metaplasia, Osseous				2		1						1															
Nephropathy	2		1			1	1	1											1	2			2	1	3		
Artery, Inflammation, Chronic Active									2																		
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
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Experiment Number: 20303 - 06  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 03/26/2012  
 Time Report Requested: 12:00:38  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

B6C3F1 MICE FEMALE	DAY ON TEST																								* TOTALS	
	0731	0732	0733	0734	0735	0736	0737	0738	0739	0740	0741	0742	0743	0744	0745	0746	0747	0748	0749	0750	0751	0752	0753	0754		
Control	ANIMAL ID																									
	001	002	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023	024		
Necrosis																									2	2 1.5
Mesentery																										
Artery, Inflammation																										10
Fat, Necrosis																									2	8 2.3
Pancreas																										
Inflammation, Chronic Active																									2	50
Necrosis																									1	1 2.0
Artery, Inflammation, Chronic Active																										2 2.0
Salivary Glands																										50
Stomach, Forestomach																										50
Hyperplasia, Squamous																										2 2.0
Ulcer																										1 2.0
Stomach, Glandular																										
Mineralization																										49
Artery, Inflammation, Chronic Active																									2	2 1.0
																										1 2.0
<b>CARDIOVASCULAR SYSTEM</b>																										
Heart																										50
Cardiomyopathy																									1	9 1.2
Mineralization																										2 1.0
Artery, Inflammation, Chronic Active																									2	2 1.5
<b>ENDOCRINE SYSTEM</b>																										
Adrenal Cortex																										50

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 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
 Vinylidene chloride  
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Date Report Requested: 03/26/2012  
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 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

B6C3F1 MICE FEMALE	DAY ON TEST																								* TOTALS
	0731	0732	0733	0734	0735	0736	0737	0738	0739	0740	0741	0742	0743	0744	0745	0746	0747	0748	0749	0750	0751	0752	0753	0754	
Control	001	002	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023	024	50

**MUSCULOSKELETAL SYSTEM**

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Skeletal Muscle																									3

**NERVOUS SYSTEM**

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Artery, Meninges, Inflammation, Chronic Active																									1 1.0
Peripheral Nerve																									2
Spinal Cord																									2

**RESPIRATORY SYSTEM**

Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Degeneration, Hyaline			1																						1 1.0
Metaplasia, Squamous						2																			2 2.0
Artery, Inflammation, Chronic Active																									1 1.0
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Degeneration, Hyaline			1																						1 1.0
Inflammation, Chronic Active																		1							2 1.5
Alveolar Epithelium, Hyperplasia			1										2			1									3 1.3
Alveolus, Infiltration Cellular, Histiocyte			1																						3 2.0
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Inflammation, Chronic Active			2																						2 2.0

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Experiment Number: 20303 - 06  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 03/26/2012  
 Time Report Requested: 12:00:38  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

B6C3F1 MICE FEMALE 6.25 ppm	DAY ON TEST																				ANIMAL ID	females (cont...)					
	0 4 7 8	0 6 0 0	0 7 3 2	0 7 3 2	0 7 1 8	0 4 7 3	0 7 3 1	0 7 3 8	0 7 3 3	0 6 7 2	0 7 3 2	0 7 3 3	0 5 8 2	0 7 3 3	0 6 9 0	0 6 1 0	0 7 3 1	0 5 5 8	0 7 3 3	0 7 3 1			0 6 9 0	0 5 9 0	0 5 2 9	0 7 3 2	
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Cyst												4	2							3							
Thrombosis											3																
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+			
Inflammation, Suppurative	4																										
Ulcer	4																										
Endometrium, Hyperplasia, Cystic		2	2	2				2		3	3	3	3	2	2	3	2	2	2	2	2	2	4	2			
<b>HEMATOPOIETIC SYSTEM</b>																											
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+			
Myeloid Cell, Hyperplasia	3																										
Lymph Node		+								+	+				+									+			
Iliac, Ectasia																											
Lymph Node, Bronchial	+	+	+	+	+	M	+	+	+	M	+	+	+	+	+	+	M	M	M	+	+	+	M	M	+		
Lymph Node, Mandibular	+	+	+	M	+	M	M	M	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	M	+	+	
Angiectasis																											
Lymph Node, Mediastinal	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+		
Hyperplasia, Lymphoid																											
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+		
Hematopoietic Cell Proliferation	3			3		3																	3				
Necrosis																											

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Experiment Number: 20303 - 06  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 03/26/2012  
 Time Report Requested: 12:00:38  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

B6C3F1 MICE FEMALE 6.25 ppm	DAY ON TEST																				ANIMAL ID	females (cont...)				
	0 4 7 8	0 6 0 0	0 7 3 2	0 7 3 2	0 7 1 9	0 4 7 8	0 7 3 3	0 7 3 1	0 6 7 2	0 7 3 2	0 7 3 3	0 5 8 2	0 7 3 3	0 6 9 0	0 6 1 0	0 7 3 1	0 5 3 8	0 7 3 3	0 7 3 1	0 6 9 0			0 5 9 0	0 5 2 9	0 7 3 2	
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Hemorrhage												2														
Inflammation, Chronic Active						1			1																	
Alveolar Epithelium, Hyperplasia													1													
Alveolus, Infiltration Cellular, Histiocyte													1													
Vein, Necrosis				1																						
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Foreign Body																			X							
Hyperostosis			1	1	1	1		1									1			2						
Inflammation, Suppurative																			2							
Inflammation, Chronic Active																								2		
Olfactory Epithelium, Accumulation, Hyaline Droplet			2		1					1		2			2		2	2	2	1	2					
Olfactory Epithelium, Metaplasia, Respiratory	1	1	1	1	1		1	1	1	1		1			1		2	1	2	1				1		
Respiratory Epithelium, Accumulation, Hyaline Droplet			2	1	2	1	1		1	2		1	1		1		1	2	2	3	2			2		
Respiratory Epithelium, Hyperplasia	1	2	1	1	1	1	1		1	1	1		1		1	1	1		2	2	2	2		3		
Respiratory Epithelium, Metaplasia, Squamous																		2	1							
Respiratory Epithelium, Necrosis			1															1	1							
Turbinates, Atrophy	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1		1	1		
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Artery, Inflammation, Chronic Active										3																

**SPECIAL SENSES SYSTEM**

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Cataract																										
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			

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Experiment Number: 20303 - 06  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 03/26/2012  
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 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

B6C3F1 MICE FEMALE 6.25 ppm	DAY ON TEST																				* TOTALS				
	0732	0733	0733	0731	0732	0736	0736	0736	0735	0735	0737	0737	0737	0735	0737	0735	0735	0737	0736	0737		0737	0736	0737	0736
ANIMAL ID	00326	00337	00338	00301	00300	00300	00300	00300	00300	00300	00300	00300	00300	00300	00300	00300	00300	00300	00300	00300	00300	00300	00300	00300	00300
Thymus	+	+	+	+	+	+	+	M	+	+	M	+	+	M	+	+	+	+	+	+	+	+	+	+	44
<b>INTEGUMENTARY SYSTEM</b>																									
Mammary Gland Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 1 2.0
Skin Hemorrhage Necrosis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 1 2.0 2 2.5
<b>MUSCULOSKELETAL SYSTEM</b>																									
Bone Hyperostosis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 1 2.0
Skeletal Muscle				+																					3
<b>NERVOUS SYSTEM</b>																									
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Peripheral Nerve				+																					2
Spinal Cord				+																					2
<b>RESPIRATORY SYSTEM</b>																									
Larynx Inflammation, Suppurative	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 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 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Vinylidene chloride

CAS Number: 75-35-4

Date Report Requested: 03/26/2012

Time Report Requested: 12:00:38

First Dose M/F: 06/20/05 / 06/20/05

Lab: BNW

B6C3F1 MICE FEMALE	DAY ON TEST																								* TOTALS
	0732	0733	0733	0741	0773	0766	0766	0766	0755	0755	0777	0777	0777	0755	0777	0755	0755	0777	0766	0777	0777	0766	0777	0766	
6.25 ppm	0032	0033	0033	0001	0002	0006	0002	0009	0003	0002	0005	0002	0003	0004	0002	0004	0006	0003	0003	0002	0003	0003	0004	0003	50
	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	
	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hemorrhage																									1 2.0
Inflammation, Chronic Active							1				2								1						5 1.2
Alveolar Epithelium, Hyperplasia																									1 1.0
Alveolus, Infiltration Cellular, Histiocyte																									1 1.0
Vein, Necrosis																									1 1.0

Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Foreign Body																									1	
Hyperostosis		1			1						2	1	1		2										13 1.2	
Inflammation, Suppurative																									1 2.0	
Inflammation, Chronic Active																									1 2.0	
Olfactory Epithelium, Accumulation, Hyaline Droplet			2				1	2			1				1	1					1	1			18 1.5	
Olfactory Epithelium, Metaplasia, Respiratory	1	1		1	1		2				1	2	1		1		1	1						1	29 1.1	
Respiratory Epithelium, Accumulation, Hyaline Droplet	1	1	2			2	1	1	2	1		1	1						1	1	1	3	1	2	33 1.5	
Respiratory Epithelium, Hyperplasia	1	2	1	1	1	1	1	1	2	1	1	1	1		1		1			1	1	2	1	1	1	41 1.2
Respiratory Epithelium, Metaplasia, Squamous																									2 1.5	
Respiratory Epithelium, Necrosis																									3 1.0	
Turbinate, Atrophy	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	46 1.0	

Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Artery, Inflammation, Chronic Active																									1 3.0

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Cataract				1																					1 1.0
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

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























Experiment Number: 20303 - 06  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 03/26/2012  
 Time Report Requested: 12:00:38  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

B6C3F1 MICE FEMALE 12.5 ppm	DAY ON TEST																								* TOTALS	
	0648	0733	0670	0663	0772	0773	0773	0668	0771	0773	0773	0593	0733	0772	0567	0673	0773	0677	0667	0773	0773	0677	0677	0666		
ANIMAL ID	00526	00552	00552	00552	00555	00555	00555	00555	00555	00555	00555	00555	00555	00555	00555	00555	00555	00555	00555	00555	00555	00555	00555	00555		
Hypertrophy																									5	1.4
Vacuolization Cytoplasmic																									1	4.0
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Hyperplasia			2																					1	2.0	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50			
Hyperplasia																					2			1	2.0	
Parathyroid Gland	+	M	+	+	+	+	M	+	M	M	M	M	+	M	+	+	+	M	+	+	M	M	M	M	21	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	48	
Pars Distalis, Angiectasis		2							2															2	2.0	
Pars Distalis, Hyperplasia		1			3				1		2	1												8	2.0	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Follicular Cell, Hyperplasia									2															2	2.0	

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Clitoral Gland	+	+	+	+	+	M	M	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	45	
Hyperplasia	1																							1	1.0
Ovary	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49		
Angiectasis							2																	2	2.5
Cyst		3				4								3			3	3					3	12	3.1
Thrombosis											3													2	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 - 06  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 03/26/2012  
 Time Report Requested: 12:00:38  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

B6C3F1 MICE FEMALE 25 ppm	DAY ON TEST																								* TOTALS		
	0564	0626	0051	0054	0044	0056	0041	0072	0073	0077	0077	0066	0077	0077	0055	0077	0066	0066	0055	0055	0044	0077	0055	0077			
ANIMAL ID	0072	0077	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000			
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50			
Atrophy																								1	3.0		
Necrosis																							3	1	3.0		
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50			
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50			
Hyperplasia, Squamous																								2	2	2.0	
Inflammation, Chronic Active																								1	1	1.0	
Necrosis																									4	1.5	
Ulcer																									2	1	2.0
Stomach, Glandular Necrosis	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	1	1.0	
<b>CARDIOVASCULAR SYSTEM</b>																											
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50			
Cardiomyopathy																									9	1.2	
Thrombosis																									3	3	3.0
<b>ENDOCRINE SYSTEM</b>																											
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49			
Hyperplasia																									8	1.5	
Hypertrophy																									3	1.7	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49			
Hyperplasia																									4	2.0	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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 - 06  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 03/26/2012  
 Time Report Requested: 12:00:38  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

B6C3F1 MICE FEMALE 25 ppm	DAY ON TEST																				* TOTALS					
	0564	0621	0510	0548	0454	0544	0772	0773	0773	0773	0676	0773	0773	0571	0773	0676	0665	0559	0471	0575		0771	0577	0773		
ANIMAL ID	00726	00777	00777	00777	00777	00777	00777	00777	00777	00777	00777	00777	00777	00777	00777	00777	00777	00777	00777	00777	00777	00777	00777			
Hyperplasia	2										2										3	2.0				
Parathyroid Gland	M	+	M	M	+	M	+	M	+	M	M	+	M	+	M	+	+	+	+	+	+	+	+	31		
Pituitary Gland	+	+	+	M	+	+	+	+	+	+	+	+	+	+	I	+	+	+	+	+	+	+	M	+	47	
Pars Distalis, Angiectasis	3																				1	3.0				
Pars Distalis, Cyst																					1	4.0				
Pars Distalis, Hyperplasia	4										2		2		2		3		1						8	2.5
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
<b>GENERAL BODY SYSTEM</b>																										
NONE																										
<b>GENITAL SYSTEM</b>																										
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45		
Inflammation, Chronic Active											1										1	1.0				
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	49	
Cyst																					2	3.0				
Thrombosis																					1	3.0				
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Thrombosis																					1	3.0				
Endometrium, Hyperplasia, Cystic	2	2		3		3	3	4	4	3	3	2	3	2	4	4	3	2	3	3	2	2	3	2	46	2.9
<b>HEMATOPOIETIC SYSTEM</b>																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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 - 06  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 03/26/2012  
 Time Report Requested: 12:00:38  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

B6C3F1 MICE FEMALE	DAY ON TEST																								* TOTALS
	0564	0621	0658	0704	0754	0804	0877	0907	0977	1007	1076	1107	1177	1205	1277	1306	1366	1405	1455	1504	1577	1607	1677		
25 ppm	064	026	019	008	000	002	003	004	003	003	002	009	003	002	002	004	000	002	002	005	001	003	005	001	50
	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	007	1
	226	222	222	223	333	333	333	333	333	333	333	333	333	333	333	333	333	333	333	333	333	333	333	333	1
	667	667	668	669	660	661	662	663	664	665	666	667	668	669	660	661	662	663	664	665	666	667	668	669	0

**MUSCULOSKELETAL SYSTEM**

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1 2.0
Cyst																										1 3.0
Degeneration																									3	
Skeletal Muscle				+		+			+																4	

**NERVOUS SYSTEM**

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1 1.0
Artery, Meninges, Inflammation, Chronic Active																										
Spinal Cord																									1	

**RESPIRATORY SYSTEM**

Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	1 2.0
Metaplasia, Squamous																									2	
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	1 2.0
Fibrosis	2																									1 2.0
Hemorrhage																									2	1 2.0
Inflammation, Chronic Active																									1	4 1.5
Alveolar Epithelium, Hyperplasia																									1	3 1.3
Alveolus, Infiltration Cellular, Histiocyte																									1	3 2.0
Perivascular, Inflammation, Chronic Active																									1	2 1.0
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	2
Foreign Body																									X	
Hyperostosis	2	2	2	1		2	1	2	2	3	2	3	2	3	1	2	2	1							2	48 2.2

\* .. 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  
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Experiment Number: 20303 - 06  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 03/26/2012  
 Time Report Requested: 12:00:38  
 First Dose M/F: 06/20/05 / 06/20/05  
 Lab: BNW

B6C3F1 MICE FEMALE	DAY ON TEST																				* TOTALS		
	0564	0621	0058	0054	0054	0054	0077	0077	0077	0077	0067	0077	0077	0057	0077	0066	0065	0055	0047	0057		0077	0057
25 ppm	ANIMAL ID																						
	0072	0077	0002	0002	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003	0003
Inflammation, Suppurative																							2
Inflammation, Chronic Active																							1
Olfactory Epithelium, Accumulation, Hyaline Droplet			1		2		2		2	2		2		1	1		2	1		2		2	
Olfactory Epithelium, Metaplasia, Respiratory	1	2	1	2	1	1	2	1	2	2	1	2	1	2	1	1	1	2	2	1	2	2	2
Olfactory Epithelium, Necrosis																							1
Respiratory Epithelium, Accumulation, Hyaline Droplet	1	2	1	2	1	1		2	3		1	2	2	1	2		2	2	3		1	1	1
Respiratory Epithelium, Hyperplasia	2	1				2		1	3	2		2	2	1	1	2	2	1	2	2		1	2
Respiratory Epithelium, Metaplasia, Squamous										1													1
Respiratory Epithelium, Necrosis																							1
Turbinate, Atrophy	3	2	3	2		3	3	3	3	3	3	2	2	3	2	3	3	3	3	3	3	2	2
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<b>SPECIAL SENSES SYSTEM</b>																							
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cornea, Inflammation, Suppurative																							1
Cornea, Necrosis																							1
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+
Hyperplasia																							1
<b>URINARY SYSTEM</b>																							
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hydronephrosis																							2
Metaplasia, Osseous																							3
Nephropathy	1	1	1			1	2	1	1	1	1	1	1	1	1	1	3			2	1	2	2
Artery, Inflammation, Chronic Active																							2

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