

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	DAY ON TEST																								* TOTALS
	07	06	07	06	07	07	07	07	07	07	06	06	07	07	07	07	06	04	06	07	05	07	06	05	
Control	29	23	29	39	31	30	31	30	30	31	29	44	08	44	11	29	11	30	29	11	29	27	12		
	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		
	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48		

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Gallbladder	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	A	+	+	A	+	+	A	42	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	A	+	+	+	47	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	47	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48	
Intestine Small, Duodenum Necrosis	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	A	+	+	A	+	+	A	44	1 3.0
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	A	+	+	A	+	+	A	44	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	A	+	+	A	+	+	A	43	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Angiectasis							2																	1	2.0	
Basophilic Focus													X			X								2		
Clear Cell Focus	X		X		X		X	X				X							X					16		
Eosinophilic Focus															X		X	X						9		
Fatty Change																								1	2.0	
Mixed Cell Focus										X														2		
Necrosis			3																				3	1	5	2.6
Mesentery																									6	
Fat, Necrosis				+				+	+							+					+				6	2.3

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B6C3F1 MICE MALE Control	DAY ON TEST	0729	0623	0729	0633	0731	0770	0771	0773	0773	0669	0664	0770	0773	0777	0666	0644	0666	0777	0557	0776	0665	0651	* TOTALS
	ANIMAL ID	00026	00007	00008	00009	00010	00011	00012	00013	00014	00015	00016	00017	00018	00019	00020	00021	00022	00023	00024	00025	00026	00027	
Pancreas		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Salivary Glands		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Stomach, Forestomach Hyperplasia, Squamous Inflammation, Chronic Active Necrosis Ulcer		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49 4 2.0 2 1.0 1 2.0 1 2.0
Stomach, Glandular Mineralization Necrosis		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	48 2 1.0 4 1.3
Tooth Dysplasia																				+			2 2 3.0	
CARDIOVASCULAR SYSTEM																								
Heart Cardiomyopathy		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 11 1.0
ENDOCRINE SYSTEM																								
Adrenal Cortex Hyperplasia Hypertrophy		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 5 1.8 18 1.4
Adrenal Medulla		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Islets, Pancreatic		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

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Lab: BNW

B6C3F1 MICE MALE Control	DAY ON TEST																								* TOTALS						
	0729	0623	0729	0639	0731	0770	0771	0773	0773	0773	0773	0664	0666	0774	0777	0777	0777	0777	0666	0644	0666	0775	0777	0666		0571	0665	0771	0572	0776	0665
ANIMAL ID																															
		2												3												3 2.3					
Hyperplasia																															
Parathyroid Gland		M	I	+	+	M	M	M	M	+	+	+	+	+	+	+	+	+	+	M	+	+	M	+	M	M	M	26			
Pituitary Gland Pars Distalis, Hyperplasia		+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49		
		1																								1 1.0					
Thyroid Gland																										50					

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Inflammation, Chronic																										1 2.0				
Spermatocoele																										1 1.0				
Preputial Gland		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Ectasia		3																								1 3.0				
Inflammation, Suppurative																										1 3.0				
Inflammation, Chronic Active																										3 2.3				
Prostate		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Inflammation, Suppurative		2																								1 2.0				
Seminal Vesicle		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Testes		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Germinal Epithelium, Degeneration		2																								2 2.0				

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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 1.5		
Lung Alveolar Epithelium, Hyperplasia											2										1						3 1.3
Lung Alveolus, Infiltration Cellular, Histiocyte																									4 1.0		
Nose Foreign Body	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	2
Nose Hyperostosis																									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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B6C3F1 MICE MALE	DAY ON TEST																								* TOTALS
	07	06	07	06	07	07	07	07	07	07	06	06	07	07	07	07	06	04	06	07	05	07	06	05	
Control	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	03	03	03	03	03	03	03	02	09	03	00	03	02	06	04	01	02	00	02	07	1	
	06	07	08	09	00	01	02	03	04	05	06	07	08	09	00	01	02	03	04	05	06	07	08	0	
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	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	
SPECIAL SENSES SYSTEM																									
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
URINARY SYSTEM																									
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	44 1.9	
Papilla, Necrosis																					2			1 2.0	

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B6C3F1 MICE MALE	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
		7	6	7	6	7	7	7	7	7	6	6	7	7	7	7	7	6	4	6	7	5	7	6	5			
		2	2	2	3	3	3	3	3	3	2	9	3	0	0	3	2	6	4	1	2	0	2	7	1			
9	3	9	9	1	0	1	0	0	1	9	4	0	8	4	1	9	1	3	0	9	1	9	0	2				
Control	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	* TOTALS	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0		50
		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	0				
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				

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B6C3F1 MICE MALE 6.25 ppm	DAY ON TEST	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	males (cont...)
	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	025	

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gallbladder	+	+	+	M	+	+	A	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	A	+	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis																										2
Basophilic Focus	X									X																
Clear Cell Focus		X		X		X			X						X						X					
Eosinophilic Focus						X								X					X	X						
Infarct																										
Mixed Cell Focus															X											
Necrosis																										
Thrombosis																										
Mesentery	+													+	+		+							+	+	
Fat, Necrosis														2	2		2							2	2	

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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	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	
Pleura																											
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	
SPECIAL SENSES SYSTEM																											
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	
Cornea, Hyperplasia, Squamous																											
Cornea, Inflammation, Chronic Active																											
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	
Hyperplasia												3														2	
Inflammation, Chronic Active																										2	
URINARY SYSTEM																											
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									

* .. 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	DAY ON TEST	071	072	073	074	075	076	077	078	079	070	071	072	073	074	075	076	077	078	079	070	071	072	073	074	075	077	073	072	071	070
	ANIMAL ID	0020	0022	0023	0024	0025	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042	0043	0044	0045	0047	0043	0042	0041	0040

males
(cont...)

Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic Active																														
Necrosis																														
Transitional Epithelium, Hyperplasia																														

* .. 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

B6C3F1 MICE MALE 6.25 ppm	DAY ON TEST																								* TOTALS								
	0 6 1 9	0 7 2 9	0 7 2 9	0 7 2 9	0 7 3 1	0 7 2 9	0 7 2 9	0 7 2 9	0 7 3 1	0 7 2 9	0 6 8 0	0 7 3 3	0 7 2 9	0 7 3 3	0 6 6 2	0 7 3 0	0 7 2 9	0 7 3 1	0 7 2 9	0 7 3 0	0 7 2 9	0 7 3 1	0 7 2 9	0 7 3 0									
	ANIMAL ID																																
	0 0 2 2 6	0 0 2 2 7	0 0 2 2 8	0 0 2 2 9	0 0 2 3 0	0 0 2 3 1	0 0 2 3 2	0 0 2 3 3	0 0 2 3 3	0 0 2 3 3	0 0 2 3 3	0 0 2 3 3	0 0 2 3 3	0 0 2 3 3	0 0 2 4 0	0 0 2 4 1	0 0 2 4 2	0 0 2 4 3	0 0 2 4 4	0 0 2 4 4	0 0 2 4 4	0 0 2 4 4	0 0 2 4 4	0 0 2 4 4	0 0 2 4 5	0 0 2 4 5	0 0 2 4 6	0 0 2 4 7	0 0 2 4 8	0 0 2 4 9			
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	1.0	
Mineralization																															1	1.0	
Necrosis																															1	1.3	
Tooth																															2		
Dysplasia																															3	3.5	
CARDIOVASCULAR SYSTEM																																	
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50			
Cardiomyopathy																															2	1.2	10
ENDOCRINE SYSTEM																																	
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50			
Hyperplasia																															2	1.3	6
Hypertrophy																															1	1.4	11
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50			

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 + .. 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 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	00226	00227	00228	00229	00230	00231	00232	00233	00234	00235	00236	00237	00238	00239	00240	00241	00242	00243	00244	00245	00246	00247	00248	00249			
Hyperplasia																									2	3 2.0	
Islets, Pancreatic Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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		
GENERAL BODY SYSTEM																											
NONE																											
GENITAL SYSTEM																											
Epididymis Granuloma Sperm	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1 2.0	
Preputial Gland Ectasia Inflammation, Chronic Active	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	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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 + .. 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 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		
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Atrophy																								2 2.5		
Germinal Epithelium, Degeneration														2			2				2			5 2.0		
Interstitial Cell, Hyperplasia																								1 2.0		
HEMATOPOIETIC SYSTEM																										
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Lymph Node																								2		
Lymph Node, Bronchial	+	+	+	+	M	+	M	+	M	+	M	M	+	M	+	+	M	M	+	+	+	+	M	M	+	34
Lymph Node, Mandibular	M	+	M	+	+	+	+	M	+	M	+	+	M	M	M	M	+	+	M	+	+	M	+	M	+	29
Lymph Node, Mediastinal	+	M	M	+	M	+	+	+	+	+	+	+	M	+	M	+	+	M	+	M	+	M	+	M	M	29
Lymph Node, Mesenteric Necrosis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Spleen																									49	
Hematopoietic Cell Proliferation	4																								4 3.8	
Thymus	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	M	M	+	M	+	+	+	37
INTEGUMENTARY SYSTEM																										
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	2	
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 - 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 6.25 ppm	DAY ON TEST	0																				* TOTALS	
		6 7 7 7 7 7 7 7 7 7 6 7 7 7 6 7 7 7 7 7 7 7																					
		1 2 2 2 2 3 2 2 3 8 3 2 3 6 3 2 3 1 2 2 3 2 3 3																					
ANIMAL ID	0																				* TOTALS		
	0 0																						
	2 2																						
	2 2 2 2 3 3 3 3 3 3 3 3 3 4 4 4 4 4 4 4 4 4 5																						
		6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0																				* TOTALS	

Necrosis 3 2 3 5 2.8

MUSCULOSKELETAL SYSTEM

Bone	+																				50	
Cartilage, Degeneration																					1	2.0
Skeletal Muscle																					1	

NERVOUS SYSTEM

Brain + 50

RESPIRATORY SYSTEM

Larynx	+																				50	
Inflammation, Suppurative																					1	1.0
Squamous Epithelium, Necrosis																					1	1.0
Lung	+																				50	
Inflammation, Chronic Active																					1	2.0
Thrombosis																					1	2.0
Alveolar Epithelium, Hyperplasia	1																				1	7 1.3
Nose	+																				50	
Hyperostosis	2																				1 1 1 1 1 2 1 1 2 2	27 1.3
Inflammation, Suppurative																					1	2.0
Inflammation, Chronic Active																					1	2.0
Olfactory Epithelium, Accumulation, Hyaline Droplet																					1	5 1.0
Olfactory Epithelium, Atrophy	1																				1	2 1.0

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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 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						
Olfactory Epithelium, Metaplasia, Respiratory	1	2		1		1	1	1	1		1	1	1		1	1		1	2	1	2	2		1	39	1.2				
Olfactory Epithelium, Necrosis				1																					1	1.0				
Respiratory Epithelium, Accumulation, Hyaline Droplet		1			1				1		1	2				1	1	1	1	2		2			21	1.2				
Respiratory Epithelium, Hyperplasia	1	1		1	1		1	1	1			2	2		1	1	1			1	1	2	2	1	36	1.2				
Turbinate, Atrophy	1	2		1	1	1		1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	46	1.1				
Pleura																										1				
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50					
SPECIAL SENSES SYSTEM																														
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50				
Cornea, Hyperplasia, Squamous																										2	1	2.0		
Cornea, Inflammation, Chronic Active																										2	1	2.0		
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50				
Hyperplasia																											2	2.5		
Inflammation, Chronic Active																											1	2	1.5	
URINARY SYSTEM																														
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50				
Cyst																											1	2.0		
Infarct																											1	2	1.5	
Metaplasia, Osseous																											2	1	2.0	
Nephropathy	1	1	3	1	2	2	1	1	2	1	2	2	1	2	1	2	2	2		1	1	1	1	2	2	46	1.6			
Renal Tubule, Hyperplasia			1																								4	2	1.8	
Renal Tubule, Pigmentation																												2	1	2.0

* .. 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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 03/26/2012

Test Type: CHRONIC

Vinylidene chloride

Time Report Requested: 12:00:38

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 75-35-4

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

Species/Strain: MICE/B6C3F1

Lab: BNW

B6C3F1 MICE MALE	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		6	7	7	7	7	7	7	7	6	7	7	7	7	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
6.25 ppm	ANIMAL ID	1	2	2	2	2	3	2	2	3	8	3	3	2	3	6	3	2	3	1	2	2	3	2	3	2	3	2	3	2	3	3	3	3	3	3
		9	9	9	9	9	1	9	9	1	0	0	1	9	0	2	0	9	0	8	9	9	9	0	9	9	9	9	9	9	9	9	9	9	9	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	0	0	0	0	0	0	0
		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
		2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5
		6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0
		* TOTALS																																		

Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Inflammation, Chronic Active																																						1	2.0
Necrosis																																						1	1.0
Transitional Epithelium, Hyperplasia	1																																					2	1.5

* .. 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 MALE	DAY ON TEST	070300	070300	070209	070206	070500	070504	070701	070703	070703	070703	070703	070703	070703	070703	070703	070604	070703	070703	070604	070402	070500	070604	070605	070606	070606	070603	
	ANIMAL ID	004001	004002	004003	004004	004005	004006	004007	004008	004009	004010	004011	004012	004013	004014	004015	004016	004017	004018	004019	004020	004021	004022	004023	004024	004025	004026	004027
12.5 ppm																												males (cont...)

ALIMENTARY SYSTEM

Esophagus	+ +																									
Gallbladder	+ + + + + + + + + + + + + + + A + + + + + + + + A A +																									
Intestine Large, Cecum	+ A A +																									
Intestine Large, Colon	+ A A +																									
Intestine Large, Rectum	+ A A +																									
Intestine Small, Duodenum Necrosis	+ + + + + + + + + + + + + + + A + + + + + + + + A A +																									
Intestine Small, Ileum Hyperplasia	+ + + + + + + + + + + + + + + A + + + + + + + + A A +																									
Intestine Small, Jejunum	+ A + + A A +																									
Liver	+ + + + + X + + + + + + + + + + + + + + + + + + +																									
Basophilic Focus	X																									
Clear Cell Focus	X																									
Cyst	2																									
Degeneration, Cystic	2																									
Eosinophilic Focus	X X																									
Mixed Cell Focus	X																									
Necrosis	2																									
Mesentery	+ + +																									

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 M .. Missing tissue
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 1-4 .. Lesion qualified as:
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 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ANIMAL ID	males (cont...)
		7	7	7	7	5	5	7	7	7	7	7	7	6	7	7	7	6	4	4	7	5	6	6	6	6	6	6		
Fat, Necrosis		3	3	2	2	7	1	3	3	3	3	2	3	3	4	3	3	3	4	2	2	0	0	4	5	6	6	6	0	
Pancreas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Artery, Inflammation, Chronic Active		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	4	4	0	
Salivary Glands		0	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	0	
Stomach, Forestomach		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	2	2	2	2	2	0	
Hyperplasia, Squamous												2	2	2															0	
Inflammation, Chronic Active																													0	
Necrosis																													0	
Submucosa, Necrosis																													0	
Stomach, Glandular																													0	
Mineralization																													0	
Necrosis																													0	
Tongue																													0	
Angiectasis																													0	

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	males (cont...)
		7	7	7	7	5	5	7	7	7	7	7	7	7	6	7	7	7	6	4	7	5	6	6	6	6	
		3	3	2	2	7	1	3	3	3	3	3	2	3	3	4	3	3	3	4	2	2	0	4	5	3	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
		0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	

Mammary Gland M

Skin +

Necrosis
 Epidermis, Hyperplasia, Squamous 1

MUSCULOSKELETAL SYSTEM

Bone +

Skeletal Muscle +

NERVOUS SYSTEM

Brain +

RESPIRATORY SYSTEM

Larynx +

Inflammation, Chronic Active

Lung +

Hemorrhage 2

Inflammation, Chronic Active 1 1

Alveolar Epithelium, Hyperplasia 3 2 1

Alveolus, Infiltration Cellular, Histiocyte 1

Nose + A + +

Foreign Body

Hemorrhage 2

Hyperostosis 2 2 2 2 2 2 2 2 1 2 3 3 3 2 2 2 3 2 2 2 2 2 2 2

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically M .. Missing tissue 1-4 .. Lesion qualified as:
 X .. Lesion present A .. Autolysis precludes evaluation 1) Minimal 3) Moderate
 I .. Insufficient tissue BLANK .. Not examined microscopically 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																				ANIMAL ID	males (cont...)			
	0730	0733	0732	0722	0757	0755	0777	0777	0777	0777	0777	0777	0777	0777	0766	0777	0777	0777	0766	0744			0777	0755	0766
	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, Suppurative					2																				
Olfactory Epithelium, Accumulation, Hyaline Droplet					1	1					1												1	1	
Olfactory Epithelium, Atrophy																									
Olfactory Epithelium, Metaplasia, Respiratory	2	2	1	1	1	1	1	2	2	2	2	2	2	2	1	2	2	1	2	1	1	2		2	2
Olfactory Epithelium, Necrosis					2																				
Respiratory Epithelium, Accumulation, Hyaline Droplet		2		1		1		1	1	2	2	1			1				1	1					
Respiratory Epithelium, Hyperplasia		2		1			2	2			2	2	2	2	1	2	2	2	1	1	1			1	
Respiratory Epithelium, Metaplasia, Squamous					1						1														
Respiratory Epithelium, Necrosis					2						1														
Turbinate, Atrophy	2	2	2	2	2	2	2	3	2	2	2	3	2	2	2	3	2	2		2	2			2	2
Turbinate, Necrosis					2																				
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
SPECIAL SENSES SYSTEM																									
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Degeneration					3																				
Cornea, Inflammation, Chronic Active																									
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia																	4								
URINARY SYSTEM																									
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cyst																									
Hydronephrosis																								2	
Infarct										2	2														

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 + .. Tissue examined microscopically
 X .. Lesion present
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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																								males (cont...)		
		0 7 3 0	0 7 3 0	0 7 2 9	0 7 2 6	0 5 7 0	0 5 1 4	0 7 3 1	0 7 3 1	0 7 3 1	0 7 3 0	0 7 3 9	0 7 2 1	0 7 3 1	0 6 4 1	0 7 3 0	0 7 3 0	0 6 4 8	0 4 2 8	0 7 2 9	0 5 0 8	0 6 4 8	0 6 5 9	0 6 3 7				
ANIMAL ID		0 0 4 0 1	0 0 4 0 2	0 0 4 0 3	0 0 4 0 4	0 0 4 0 5	0 0 4 0 6	0 0 4 0 7	0 0 4 0 8	0 0 4 0 9	0 0 4 1 0	0 0 4 1 1	0 0 4 1 2	0 0 4 1 3	0 0 4 1 4	0 0 4 1 5	0 0 4 1 6	0 0 4 1 7	0 0 4 1 8	0 0 4 2 9	0 0 4 2 0	0 0 4 2 1	0 0 4 2 2	0 0 4 2 3	0 0 4 2 4	0 0 4 2 5		
Inflammation, Chronic Active Metaplasia, Osseous																												
Nephropathy		2		2		2	4	2	2	2		2	2	1			1	1		1	3	2	3			2		
Pelvis, Inflammation, Chronic Active Renal Tubule, Hyperplasia		1	2	1		1		2	2			2					1				2							
Transitional Epithelium, Hyperplasia																												
Urinary Bladder																												
Inflammation, Chronic Active		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Transitional Epithelium, Hyperplasia																										2		

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

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Time Report Requested: 12:00:38

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

Lab: BNW

B6C3F1 MICE MALE	DAY ON TEST																								* TOTALS
	0600	0444	0731	0604	0729	0731	0722	0729	0479	0730	0733	0720	0679	0731	0733	0599	0739	0723	0733	0733	0642	0590	0659	0509	
12.5 ppm	00426	00447	00028	00049	00041	00032	00033	00034	00045	00046	00047	00048	00049	00050	00051	00052	00053	00054	00055	00056	00057	00058	00059	00060	
	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	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
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Intestine Small, Duodenum Necrosis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
																								1 1.0
Intestine Small, Ileum Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
																								1 3.0
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Basophilic Focus															X									2
Clear Cell Focus							X				X		X	X		X			X	X				10
Cyst																						3		2 2.5
Degeneration, Cystic																								1 2.0
Eosinophilic Focus								X																4
Mixed Cell Focus																								1
Necrosis						4																		2 3.0
Mesentery		+		+																		+		6

* .. 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

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 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	0630
ANIMAL ID	00426	00447	00401	00400	00400	00400	00400	00400	00400	00400	00400	00400	00400	00400	00400	00400	00400	00400	00400	00400	00400	00400	00400	00400	00400	00400	
Fat, Necrosis																										2	
	4				2																					6 2.3	
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Artery, Inflammation, Chronic Active												4														1 4.0	
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hyperplasia, Squamous												2										4	2			7 2.3	
Inflammation, Chronic Active												2										2				3 1.7	
Necrosis												2														2 2.0	
Submucosa, Necrosis					2																					1 2.0	
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Mineralization																										1 1.0	
Necrosis																										3 1.7	
Tongue																										1	
Angiectasis																										1 2.0	
CARDIOVASCULAR SYSTEM																											
Blood Vessel																											1
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Cardiomyopathy																										12 1.2	
Thrombosis																										2 2.5	
Artery, Inflammation, Chronic Active																										1 2.0	
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	0404	0731	0604	0729	0731	0772	0779	0779	0429	0733	0733	0720	0622	0733	0733	0599	0723	0723	0733		0733	0640	0509			
	ANIMAL ID																										
	00426	00447	00408	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00445	00440			
Inflammation, Chronic Active	2										2										3	2.0					
Prostate	+																				50						
Inflammation, Suppurative																					1	2.0					
Inflammation, Chronic Active											2	2	2	2.0													
Artery, Inflammation, Chronic Active	3																				1	3.0					
Seminal Vesicle	+																				50						
Testes	+																				50						
Germinal Epithelium, Degeneration	2																				2	3	2.0				
HEMATOPOIETIC SYSTEM																											
Bone Marrow	+																				50						
Erythroid Cell, Depletion Cellular																					1	2.0					
Lymph Node, Bronchial	M	+	M	+	+	+	+	+	M	+	+	M	M	M	+	+	+	M	+	+	M	+	+	M	M	31	
Lymph Node, Mandibular	+	+	+	M	M	+	M	+	+	M	M	+	+	M	M	M	M	M	+	M	+	M	+	M		19	
Lymph Node, Mediastinal	+	+	+	+	+	+	+	+	+	+	M	+	M	+	+	+	+	+	+	+	+	+	+	+		43	
Lymph Node, Mesenteric	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		48	
Spleen	+																				50						
Hematopoietic Cell Proliferation																3					3					2	3.0
Thymus	+	+	+	+	+	M	+	M	+	+	M	M	+	+	M	+	M	+	+	M	+	+	M	+	+	38	
INTEGUMENTARY SYSTEM																											

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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 MALE 12.5 ppm	DAY ON TEST																				* TOTALS		
	0600	0404	0731	0604	0729	0731	0772	0779	0429	0732	0733	0720	0626	0772	0773	0770	0575	0723	0773	0773		0665	0509
ANIMAL ID	00426	00442	00442	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00445	
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
MUSCULOSKELETAL SYSTEM																							
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Skeletal Muscle													+										2
NERVOUS SYSTEM																							
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
RESPIRATORY SYSTEM																							
Larynx Inflammation, Chronic Active	+	+	+	+	+	+	+	+	+	+	+	+	1	+	+	+	+	+	+	+	+	+	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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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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Lab: BNW

B6C3F1 MICE MALE 12.5 ppm	DAY ON TEST																									* TOTALS
	0600	0404	0731	0604	0729	0731	0779	0779	0779	0429	0733	0779	0626	0779	0779	0579	0779	0779	0779	0677	0777	0665	0559			
	00	00	03	00	02	03	02	02	02	03	03	02	00	02	03	03	09	02	03	03	03	04	09			
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	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	24	1.2	
Respiratory Epithelium, Hyperplasia	1	1	2	1	1	1				1	2	1		1	1	2		3	2	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		
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Degeneration																								1	3.0	
Cornea, Inflammation, Chronic Active																	1							1	1.0	
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Hyperplasia				2																			2	3	2.7	
URINARY SYSTEM																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Cyst	2		2		2		2								2									5	2.0	
Hydronephrosis																								1	2.0	
Infarct																								2	2.0	

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+ .. 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	0604	0702	0703	0702	0702	0702	0403	0703	0703	0602	0702	0703	0703	0509	0702	0703	0703	0703	0604	0509	0605		
ANIMAL ID	00426	00442	00442	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444	00444		
Inflammation, Chronic Active																								3	1 3.0	
Metaplasia, Osseous																			2						1 2.0	
Nephropathy	4	1	4	4	2	3		1	3	3		3	1		3	2	3	2	2	1	2		2	3	37 2.2	
Pelvis, Inflammation, Chronic Active																									1 2.0	
Renal Tubule, Hyperplasia	1		4				2			2	1		1	3		1		1	1		1	4		1	22 1.7	
Transitional Epithelium, Hyperplasia																								1	1 1.0	
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Inflammation, Chronic Active																									1 2.0	
Transitional Epithelium, Hyperplasia																								1	3 1.7	

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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 MALE 25 ppm	DAY ON TEST	0532	0745	0770	0773	0777	0777	0572	0473	0571	0673	0773	0773	0575	0772	0673	0576	0772	0672	0772	0676	0676	0776	0677	0676	0776	0676	0776
	ANIMAL ID	0060	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066
males (cont...)																												

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

B6C3F1 MICE MALE 25 ppm	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ANIMAL ID	males (cont...)		
		5	7	7	7	7	7	5	4	5	6	5	7	7	5	7	6	5	7	6	7	6	6	7			6	
		3	0	0	3	3	3	2	3	7	3	4	0	3	2	2	3	6	2	2	2	7	6	2	3			
		2	4	5	0	0	1	9	7	1	7	3	8	1	0	5	9	5	3	9	0	9	3	2	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		
		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	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2		
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	1	
Fat, Necrosis																												
Pancreas		+	+	+	+	+	+	+	+	+	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+			
Salivary Glands		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Stomach, Forestomach		+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+			
Hyperplasia, Squamous					2	2		2		2						2					2							
Inflammation, Chronic Active		1			2		2														2							
Necrosis		2													1													
Ulcer																	2						2					
Artery, Inflammation, Chronic Active																												
Stomach, Glandular		+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+			
Mineralization																												
Necrosis		2														1												
Tooth																												
Dysplasia																												

CARDIOVASCULAR SYSTEM

Blood Vessel		+																									
Thrombosis		3																									
Heart		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Cardiomyopathy			1		2	1																	1	2	1		
Thrombosis																											
Artery, Inflammation, Chronic Active																											
Endothelium, Hyperplasia			3																								

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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 MALE	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 6 7	0 6 3 8	0 7 4 1	0 7 3 0	0 5 2 5	0 7 3 9	0 6 6 3	0 5 2 0	0 7 2 9	0 6 7 3	0 6 6 2	0 7 6 2	0 6 2 9	0 7 3 4	0 6 2 5
	ANIMAL ID	0 6 0 1	0 6 0 2	0 6 0 3	0 6 0 4	0 6 0 5	0 6 0 6	0 6 0 7	0 6 0 8	0 6 0 9	0 6 1 0	0 6 1 1	0 6 1 1	0 6 1 1	0 6 1 1	0 6 1 1	0 6 1 1	0 6 1 1	0 6 2 0	0 6 2 1	0 6 2 2	0 6 2 3	0 6 2 4	0 6 2 5	

males
(cont...)

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia													1		2										
Hypertrophy		2	2					1					2										2	2	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia				2																					
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	
Hyperplasia												2													
Parathyroid Gland	M	M	+	+	M	M	M	M	+	M	+	+	+	+	M	+	M	M	M	M	+	+	+	M	M
Cyst																									
Pituitary Gland	+	+	+	+	+	+	M	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	M	+	+
Pars Distalis, Hyperplasia					1																				
Thyroid Gland	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic Active			1												2									

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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 MALE 25 ppm	DAY ON TEST																				ANIMAL ID	males (cont...)					
	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 7	0 6 3 3	0 5 4 8	0 7 0 1	0 7 3 0	0 5 2 5	0 7 2 9	0 6 3 5	0 5 6 3	0 7 2 9	0 6 7 3			0 6 6 2	0 7 2 9	0 6 6 3	0 7 2 4	0 6 2 5
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Hematopoietic Cell Proliferation																											3
Lymphoid Follicle, Hyperplasia																											3
Thymus	M	M	M	M	+	M	+	M	M	+	M	M	+	+	+	M	+	M	+	+	M	+	+	M	M		
INTEGUMENTARY SYSTEM																											
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	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Necrosis																											2
Epidermis, Hyperplasia, Squamous																											2
MUSCULOSKELETAL SYSTEM																											
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Fibrous Osteodystrophy																											X
Skeletal Muscle																											+
NERVOUS SYSTEM																											
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Hemorrhage																											
Artery, Inflammation, Chronic Active																											
RESPIRATORY SYSTEM																											
Larynx	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Foreign Body																											

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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

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

B6C3F1 MICE MALE 25 ppm	DAY ON TEST																				ANIMAL ID	males (cont...)																					
	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 7	0 6 3 3	0 5 4 8	0 7 0 1	0 7 3 0	0 5 2 5	0 7 2 9	0 6 3 5	0 5 6 3	0 7 2 9	0 6 2 0			0 6 7 3	0 6 6 2	0 7 2 9	0 6 6 3	0 7 2 9																
Inflammation																						1																					
Inflammation, Suppurative																																											
Metaplasia, Squamous																																											
Artery, Inflammation, Chronic Active																																											
Squamous Epithelium, Necrosis																						1																					
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+																
Inflammation, Chronic Active																						2																					
Alveolar Epithelium, Hyperplasia																					3	2																					
Alveolus, Infiltration Cellular, Histiocyte																						2																					
Serosa, Hyperplasia																						2																					
Nose	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+																	
Foreign Body																					X	X																					
Hyperostosis	1	2	2	2	2	2	2		2	3	3	2	2	2	2	3	1	2	3	3	2	1	3	2																			
Inflammation, Suppurative																					1	1																					
Polyp, Inflammatory																																											
Olfactory Epithelium, Accumulation, Hyaline Droplet																					1	1	1																				
Olfactory Epithelium, Metaplasia, Respiratory	2	2	2	2	2	2	2		2	2	2	2	2	2	2	2	1	2	2	2	2	1	3	2																			
Olfactory Epithelium, Necrosis																					1	1																					
Respiratory Epithelium, Accumulation, Hyaline Droplet																					1	1																					
Respiratory Epithelium, Hyperplasia																					2	1	2	2	1	1	2	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1	
Respiratory Epithelium, Necrosis																						1																					
Turbinate, Atrophy	3	3	3	3	3	3	3		3	3	3	2	2	2	2	2	2	2	2	3	3	3	2	3	3																		
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+																
Inflammation, Suppurative																																											
Inflammation, Chronic Active																																											

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

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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	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		5	7	7	7	7	7	5	4	5	6	5	7	7	5	7	6	5	7	6	7	6	6	7	6	
25 ppm	ANIMAL ID	3	0	0	3	3	3	2	3	7	7	3	4	0	3	2	2	3	6	2	2	7	6	2	3	
		2	4	5	0	0	1	9	7	1	7	3	8	1	0	5	9	5	3	6	9	0	9	3	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	
		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	2	2	2	2	2	
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

males
(cont...)

Epithelium, Necrosis

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+
Cataract																									
Necrosis																									
											3														
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia																									
Inflammation, Suppurative																									

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst																									
Hydronephrosis				2	2																				
Infarct		1																							
Nephropathy	4	2	4	4	2	1		2	1	2	3		1	2	1	2	2	3	2	4	2	3		1	1
Renal Tubule, Hyperplasia		1			1									4						1		3			
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+
Necrosis																									
Transitional Epithelium, Hyperplasia																									

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

B6C3F1 MICE MALE	DAY ON TEST	0693	0563	0601	0663	0731	0742	0773	0779	0652	0577	0573	0661	0772	0559	0554	0773	0578	0573	0664	0773	0574	0433	0477	0730	* TOTALS
	ANIMAL ID	00626	00666	00622	00622	00633	00633	00633	00633	00633	00633	00633	00633	00633	00644	00644	00644	00644	00644	00644	00644	00644	00644	00644	00644	

ALIMENTARY SYSTEM

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

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 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	0693	0693	0693	0693	0693	0693	0693	0693	0693	0693	0693	0693	0693	0693	0693	0693	0693	0693	0693	0693	0693		
	ANIMAL ID																							
	00626	00626	00626	00626	00626	00626	00626	00626	00626	00626	00626	00626	00626	00626	00626	00626	00626	00626	00626	00626	00626	00626		
Fat, Necrosis																							2	1 2.0
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48	
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Hyperplasia, Squamous	2									2								2					10 2.0	
Inflammation, Chronic Active	1		2				1															2	7 1.6	
Necrosis							2																4 1.8	
Ulcer																							2 2.0	
Artery, Inflammation, Chronic Active										2													1 2.0	
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	48	
Mineralization																	1						1 1.0	
Necrosis	1									1												2	5 1.4	
Tooth																							1	
Dysplasia																							1 4.0	
CARDIOVASCULAR SYSTEM																								
Blood Vessel																							3	
Thrombosis	+																						1 3.0	
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Cardiomyopathy		1	2			2				1												1 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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 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	0657	0577	0757	0773	0661	0771	0759	0554	0578	0738	0583	0734	0753		0674	0754	0473	0747
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
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

HEMATOPOIETIC SYSTEM

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	M	M	19
Lymph Node, Mandibular	+	+	M	+	M	+	M	+	+	+	+	+	M	+	+	M	+	+	+	M	+	M	M	+	25
Lymph Node, Mediastinal	M	M	+	+	M	I	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	38	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47	
Angiectasis																								2 2.5	
Inflammation, Granulomatous																								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
 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																										
	0693	0563	0601	0663	0731	0742	0773	0779	0652	0572	0753	0773	0661	0776	0575	0558	0733	0583	0734	0750			0675	0743	0543	0747	0473
	ANIMAL ID																										
	00626	00066	00066	00066	00066	00066	00066	00066	00066	00066	00066	00066	00066	00066	00066	00066	00066	00066	00066	00066	00066	00066	00066	00066	00066	00066	00066
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hematopoietic Cell Proliferation		3																									5
Lymphoid Follicle, Hyperplasia																											2.8
Thymus	+	M	+	M	I	M	M	+	+	+	M	+	+	M	+	+	M	M	+	+	+	+	M	+	+	26	
INTEGUMENTARY SYSTEM																											
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													2.0
MUSCULOSKELETAL SYSTEM																											
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Fibrous Osteodystrophy																											1
Skeletal Muscle																											2
NERVOUS SYSTEM																											
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hemorrhage																											1
Artery, Inflammation, Chronic Active																											2.0
RESPIRATORY SYSTEM																											
Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Foreign Body																											2

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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 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	0673	0643	0634	0673	0670	
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	006666	
Inflammation																										
Inflammation, Suppurative																										
Metaplasia, Squamous																										
Artery, Inflammation, Chronic Active																										
Squamous Epithelium, Necrosis																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic Active																										
Alveolar Epithelium, Hyperplasia																										
Alveolus, Infiltration Cellular, Histiocyte																										
Serosa, Hyperplasia																										
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Foreign Body																										
Hyperostosis																										
Inflammation, Suppurative																										
Polyp, Inflammatory																										
Olfactory Epithelium, Accumulation, Hyaline Droplet																										
Olfactory Epithelium, Metaplasia, Respiratory																										
Olfactory Epithelium, Necrosis																										
Respiratory Epithelium, Accumulation, Hyaline Droplet																										
Respiratory Epithelium, Hyperplasia																										
Respiratory Epithelium, Necrosis																										
Turbinate, Atrophy																										
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Suppurative																										
Inflammation, Chronic Active																										

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 Species/Strain: MICE/B6C3F1

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

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

B6C3F1 MICE MALE 25 ppm	DAY ON TEST																				* TOTALS											
	0693	0563	0601	0663	0771	0745	0770	0779	0662	0557	0773	0757	0676	0771	0671	0558	0554	0773	0573	0676		0754	0734	0534	0747	0647	0573	0473	0730	0673		
ANIMAL ID	00626	00666	00622	00622	00633	00633	00633	00633	00633	00633	00633	00633	00633	00633	00633	00633	00633	00633	00633	00633	00633	00633	00633	00633	00633	00633	00633	00633				
Epithelium, Necrosis																													1	1.0		
SPECIAL SENSES SYSTEM																																
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48		
Cataract																														1	2.0	
Necrosis																														1	3.0	
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Hyperplasia																															1	2.0
Inflammation, Suppurative																														1	1.0	
URINARY SYSTEM																																
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Cyst																															7	2.6
Hydronephrosis																															3	2.3
Infarct																															1	1.0
Nephropathy	3	2	1	1	2	4		3	2	2	2	1	2	2	2	2	2	3	2	4		1	2	3		2			44	2.2		
Renal Tubule, Hyperplasia	1				2		1	3		2	1								1	3	1		1				1			16	1.7	
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49		
Necrosis																															1	1.0
Transitional Epithelium, Hyperplasia																														1	2.0	

*** END OF MALE DATA ***

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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	0 7	0 7	0 7	0 7	0 5	0 7	0 7	0 6	0 3	0 7	0 7	0 7	0 7	0 7	0 5	0 7	0 6	0 7	0 7	0 7	0 7	0 7	0 7	0 4	
	ANIMAL ID	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 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	
Control		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	females (cont...)

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						X	
Fatty Change								2																
Hemorrhage																								
Infarct																								
Inflammation, Suppurative																								

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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 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 3	0 6 3 5	0 7 3 3	0 7 2 3	0 7 3 3	0 7 3 2	0 7 3 3	0 7 3 3	0 7 3 4	0 7 3 5		
Necrosis																										1	
Mesentery Artery, Inflammation Fat, Necrosis																											
Pancreas Inflammation, Chronic Active Necrosis Artery, Inflammation, Chronic Active																										2	
Salivary Glands																											
Stomach, Forestomach Hyperplasia, Squamous Ulcer																											
Stomach, Glandular Mineralization Artery, Inflammation, Chronic Active																											

CARDIOVASCULAR SYSTEM

Heart Cardiomyopathy Mineralization Artery, Inflammation, Chronic Active																											
---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

ENDOCRINE SYSTEM

Adrenal Cortex																											
----------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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

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 Vinylidene chloride
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 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 3	0 6 3 5	0 7 3 3	0 7 2 2	0 7 3 3	0 7 3 3	0 7 3 2	0 7 3 3	0 7 3 4	0 7 3 5		
	0	0	0	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	
Angiectasis																											3
Hyperplasia								1			4								2								
Hypertrophy				2	2			1																			
Adrenal Medulla Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Islets, Pancreatic Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Parathyroid Gland	M	M	+	M	+	+	M	+	+	+	M	+	M	+	M	+	M	+	+	M	+	M	+	+			
Pituitary Gland Pars Distalis, Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		2	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Ovary Cyst	+	+	+	+	+	+	+	+	+		2									3				4		
Uterus Inflammation, Histiocytic, Chronic Active 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
 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 Control	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ANIMAL ID	females (cont...)
	7	7	7	7	5	7	7	6	3	7	7	7	7	7	5	7	6	7	7	7	7	7	7	7	7		
	3	3	3	3	0	3	3	0	2	3	3	3	3	3	7	3	3	3	3	3	3	3	3	3	3	4	
	1	1	2	2	9	3	3	5	5	1	3	3	2	2	2	3	5	3	3	3	6	2	3	3	3	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	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	
	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	0	

Thrombosis
 Endometrium, Hyperplasia, Cystic

3 4 3 4 3 2 2 2 3 3 3 2 3 2 3 2 2 3 2 2 3 2 2 4

HEMATOPOIETIC SYSTEM

Bone Marrow

+ +

Lymph Node

Lumbar, Renal, Angiectasis

Lumbar, Renal, Inflammation, Granulomatous

Renal, Angiectasis

+ 4 + + +

Lymph Node, Bronchial

+ + M M + + M + + M M M + M + M + M M + + + + M M

Lymph Node, Mandibular

M + + + + + + + + M + M + M + M + M + + + + + + +

Lymph Node, Mediastinal

+ + + + + + + M M + + M + M + + + + + + + + + +

Lymph Node, Mesenteric

+ +

Spleen

Hematopoietic Cell Proliferation

+ 3 3

Thymus

+ +

INTEGUMENTARY SYSTEM

Mammary Gland

+ +

Skin

Necrosis

+ +

* .. 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

| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------------------------|
| B6C3F1 MICE FEMALE | DAY ON TEST | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 6 | 3 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | females
(cont...) |
| | | 3 | 3 | 3 | 3 | 0 | 3 | 3 | 0 | 2 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | |
| Control | | 1 | 1 | 2 | 2 | 9 | 3 | 3 | 5 | 5 | 1 | 3 | 3 | 2 | 2 | 3 | 5 | 3 | 3 | 6 | 2 | 3 | 2 | 3 | 4 | | |
| | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 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 | |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skeletal Muscle | | | | | + | | | | + | | | | | | | | | | | | + | | | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Artery, Meninges, Inflammation, Chronic Active | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| Peripheral Nerve | | | | | | + | | | | + | | | | | | | | | | | | | | | |
| Spinal Cord | | | | | | | + | | | | + | | | | | | | | | | | | | | |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Larynx | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Degeneration, Hyaline | | | | | | | | | | | | | | | | | | | | | | | | | |
| Metaplasia, Squamous | | | | | 2 | | | | | | | | | | | | | | | | | | | | |
| Artery, Inflammation, Chronic Active | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Degeneration, Hyaline | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | 2 | | | | |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alveolus, Infiltration Cellular, Histiocyte | | | | | | 4 | | | | | | | | | | | | | | | | | | | 1 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Inflammation, Chronic Active | | | | | | | | | | | | | | 2 | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically M .. Missing tissue 1-4 .. Lesion qualified as:
 X .. Lesion present A .. Autolysis precludes evaluation 1) Minimal 3) Moderate
 I .. Insufficient tissue BLANK .. Not examined microscopically 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 | | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|
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| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hyperplasia | 2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |

* .. 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 | 0 | 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 | 5 | 7 | 7 | 6 | 3 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| Control | ANIMAL ID | 3 | 3 | 3 | 3 | 0 | 3 | 3 | 0 | 2 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 4 |
| | | 1 | 1 | 2 | 2 | 9 | 3 | 3 | 5 | 5 | 1 | 3 | 3 | 2 | 2 | 2 | 3 | 5 | 3 | 3 | 6 | 2 | 3 | 2 | 3 | 0 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 |
| | | 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 |
| | | 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 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | females (cont...) |

Artery, Inflammation, Chronic Active
Transitional Epithelium, Hyperplasia

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 - 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 | 00126 | 00127 | 00128 | 00129 | 00130 | 00131 | 00132 | 00133 | 00134 | 00135 | 00136 | 00137 | 00138 | 00139 | 00140 | 00141 | 00142 | 00143 | 00144 | 00145 | 00146 | 00147 | 00148 | 00149 | 00150 |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Gallbladder | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Degeneration, Hyaline | | | 1 | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Hyperplasia | | | 2 | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Intestine Large, Cecum | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Intestine Large, Colon | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Intestine Large, Rectum | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Intestine Small, Duodenum | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Intestine Small, Ileum | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Ulcer | | | | | | 2 | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Intestine Small, Jejunum | + | + | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Clear Cell Focus | | | X | | | | | | | | | | | | | | | | | | | | | | | 5 |
| Eosinophilic Focus | X | X | | | X | X | | | X | | X | | X | | X | | | | | | | | | | | 9 |
| Fatty Change | | | | | | | | | | | | | | | | | | | | | | | | | | 2 3.0 |
| Hemorrhage | | | | | | 2 | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Infarct | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | | 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
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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 | | 0755 | | |
| Control | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 00126 | 00127 | 00128 | 00129 | 00130 | 00131 | 00132 | 00133 | 00134 | 00135 | 00136 | 00137 | 00138 | 00139 | 00140 | 00141 | 00142 | 00143 | 00144 | 00145 | 00146 | 00147 | 00148 | 00149 | 00150 | | | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 1.5 | |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Artery, Inflammation | | | | | | | | | | | | | | | | | | | | | | | | | | + | 10 | 1 2.0 |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 8 2.3 | |
| Pancreas | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | + | 50 | 1 2.0 |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 1.0 | |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 2.0 | |
| Salivary Glands | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| + | | | | | | | | | | | | | | | | | | | | | | | | | | | 50 | |
| Stomach, Forestomach | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Squamous | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 2.0 | |
| + | | | | | | | | | | | | | | | | | | | | | | | | | | | 50 | |
| Stomach, Glandular | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | | | 49 | 2 1.0 |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 2.0 | |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heart | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cardiomyopathy | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 9 1.2 | |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 1.0 | |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 1.5 | |
| ENDOCRINE SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Cortex | | | | | | | | | | | | | | | | | | | | | | | | | | | 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 | | | | |
|----------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----|-----|-----|-----|
| | 0
7
3
1 | 0
7
3
2 | 0
7
3
2 | 0
7
3
1 | 0
7
3
3 | 0
6
4
7 | 0
7
3
3 | 0
7
3
2 | 0
7
3
1 | 0
7
3
2 | 0
5
9
9 | 0
7
3
2 | 0
6
1
1 | 0
6
4
9 | 0
6
2
8 | 0
7
3
2 | 0
4
9
1 | 0
7
3
2 | 0
7
3
2 | 0
5
9
0 | 0
7
3
3 | 0
7
3
3 | 0
7
3
3 | | | | | | |
| Control | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0
0
1
2
6 | 0
0
1
2
7 | 0
0
1
2
8 | 0
0
1
2
9 | 0
0
1
3
0 | 0
0
1
3
1 | 0
0
1
3
2 | 0
0
1
3
3 | 0
0
1
3
4 | 0
0
1
3
5 | 0
0
1
3
6 | 0
0
1
3
7 | 0
0
1
3
8 | 0
0
1
3
9 | 0
0
1
4
0 | 0
0
1
4
1 | 0
0
1
4
2 | 0
0
1
4
3 | 0
0
1
4
4 | 0
0
1
4
5 | 0
0
1
4
6 | 0
0
1
4
7 | 0
0
1
4
8 | 0
0
1
4
9 | 0
0
1
5
0 | | | | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 | | |
| Hyperplasia | | | | | | | | | 1 | | | | | | | 1 | | | | | | | | | | | | 6 | 1.7 |
| Hypertrophy | | | | | | | | | | | | 4 | | | | | | | | | | | | | | | | 4 | 2.3 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Hyperplasia | | | | | 3 | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | 1 | 2.0 | |
| Parathyroid Gland | M | + | M | M | M | + | M | + | + | M | + | M | + | + | M | M | + | M | M | + | M | + | M | M | M | 24 | | | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Pars Distalis, Hyperplasia | | | | | | | | | 1 | | | | | | | | | | | | | | | | | 1 | 6 | 1.8 | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|-----|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | M | + | + | M | + | + | + | M | 45 | | |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Cyst | | | | | | | | | 2 | | | | | | 3 | | | | | | | | | 2 | | | 6 | 2.7 |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Inflammation, Histiocytic, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 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
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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
Control | 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 | |
| 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 | 025 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|--|---|---|---|---|--|--|--|---|---|---|---|---|--|---|---|---|---|---|---|--|---|---|--|----|-----|
| Thrombosis | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Endometrium, Hyperplasia, Cystic | 2 | | 3 | 3 | 2 | 4 | | | | 3 | 3 | 2 | 3 | 4 | | 3 | 4 | 4 | 2 | 2 | 3 | | 2 | 2 | | 36 | 2.8 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | |
| Lumbar, Renal, Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 |
| Lumbar, Renal, Inflammation, Granulomatous | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Renal, Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 |
| Lymph Node, Bronchial | + | M | M | + | + | + | + | M | + | M | M | M | M | + | M | M | + | M | + | + | + | M | M | + | + | + | 25 | |
| Lymph Node, Mandibular | + | + | M | + | M | M | + | M | + | + | M | M | + | + | M | M | + | M | + | + | M | M | M | M | + | + | 31 | |
| Lymph Node, Mediastinal | + | + | + | + | + | + | + | + | + | + | M | + | M | + | + | + | + | + | M | + | + | + | M | + | + | + | 42 | |
| Lymph Node, Mesenteric | + | + | M | + | + | A | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | 47 | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Hematopoietic Cell Proliferation | | | | | | | 3 | | | | | | | | | | | | | | | | | | | | 3 | 3.0 |
| Thymus | + | + | + | + | + | + | M | + | + | + | + | + | + | M | + | + | + | + | M | + | + | + | + | + | + | + | 47 | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| 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
 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 |
|--------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| | 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 | 1 | 1.0 |
| Artery, Meninges, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peripheral Nerve | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| Spinal Cord | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|-----|
| Larynx | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 | 1.0 |
| Degeneration, Hyaline | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Metaplasia, Squamous | | | | | | | 2 | | | | | | | | | | | | | | | | | | | 2 | 2.0 |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 | 1.0 |
| Degeneration, Hyaline | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | 2 | 2.0 |
| Inflammation, Chronic Active | | | 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 | | |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|-----|-----|
| | 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 | | | |
| Olfactory Epithelium, Accumulation, Hyaline Droplet | | 2 | 4 | 2 | 2 | 1 | 1 | | 2 | | | | | | | | | 2 | 1 | | | 1 | | | 18 | 1.6 | |
| Olfactory Epithelium, Metaplasia, Respiratory Epithelium, Accumulation, Hyaline Droplet | 1 | 3 | 4 | 2 | 3 | | | 2 | 2 | | 1 | 1 | | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | | 1 | 3 | 2 | 38 | 1.6 |
| Respiratory Epithelium, Hyperplasia | | 2 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | | 1 | 1 | | 1 | 1 | | 1 | 1 | 1 | 33 | 1.1 | |
| Respiratory Epithelium, Metaplasia, Squamous | | | | | 1 | | | | 1 | | | | | | | | | | | | | | | | 3 | 1.0 | |
| Respiratory Epithelium, Necrosis | | | | | 1 | | | | | | | | | | | | | | | | | | | | 1 | 1.0 | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Degeneration, Hyaline | | | 1 | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 | |
| Foreign Body | | | | | | | X | | | | | | | | | | | | | | | | | | 1 | | |
| Inflammation, Chronic Active | | | | | | | | | | | 2 | | | | | | | | | | | | | | 1 | 2.0 | |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Hydronephrosis | | | | | | | | | | | | | | | 2 | | | | | | | | | | 2 | 2.0 | |
| Infarct | | | | | 2 | 2 | 1 | | | | | | | | | | | | | | | | | | 5 | 1.8 | |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 1.3 | |
| Nephropathy | | | | 1 | 1 | | 2 | 1 | 2 | 1 | 1 | | 3 | | 2 | | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 26 | 1.4 | | |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | 2 | | | | | | 2 | 2.0 | |
| Urinary Bladder | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | | |

* .. 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

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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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Lab: BNW

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------------|-----|----------------|
| B6C3F1 MICE FEMALE

Control | DAY ON TEST | 071 | 073 | 073 | 073 | 073 | 064 | 073 | 073 | 073 | 073 | 053 | 073 | 066 | 066 | 067 | 043 | 073 | 073 | 073 | 073 | 059 | 073 | 073 | 073 | * TOTALS | | |
| | 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 | | 025 | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | 0 | |
| | | Artery, Inflammation, Chronic Active Transitional Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 2.0
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
6.25 ppm | DAY ON TEST | 04 | 06 | 07 | 07 | 07 | 04 | 07 | 07 | 06 | 07 | 07 | 05 | 07 | 06 | 06 | 07 | 05 | 07 | 07 | 07 | 06 | 05 | 05 | 07 | females
(cont...) |
| | ANIMAL ID | 07 | 08 | 03 | 03 | 01 | 07 | 03 | 03 | 03 | 03 | 08 | 03 | 09 | 01 | 03 | 05 | 03 | 03 | 03 | 03 | 09 | 09 | 02 | 03 | |
| | 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 | |
| | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | |
| | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder | + | + | + | + | + | A | + | + | + | M | M | + | + | + | + | + | M | + | + | + | + | + | A | + | |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | |
| Intestine Small, Ileum
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | |
| Liver
Angiectasis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 2 | + | + | + | + | + | + | + | + |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | | | | X | | |
| Clear Cell Focus | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eosinophilic Focus | | | | | | | | | | | | | | | | | | | | | | X | | | |
| Inflammation, Suppurative
Necrosis | 1 | | | X | | | | | | | | | | | | | X | | | X | | X | | | |
| Mesentery
Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | + | | | | | | | | | | | | | | | | | | | | | | | |
| | | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | |

* .. 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

6.25 ppm | DAY ON TEST | 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
3 | 0
7
3
1 | 0
6
7
3 | 0
7
3
3 | 0
7
3
3 | 0
5
8
3 | 0
7
6
3 | 0
6
6
3 | 0
7
3
1 | 0
5
7
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 | |
| | ANIMAL ID | 0
0
3
0
1 | 0
0
3
0
2 | 0
0
3
0
3 | 0
0
3
0
4 | 0
0
3
0
5 | 0
0
3
0
6 | 0
0
3
0
7 | 0
0
3
0
8 | 0
0
3
0
9 | 0
0
3
0
0 | 0
0
3
0
1 | 0
0
3
0
1 | 0
0
3
0
2 | 0
0
3
0
3 | 0
0
3
0
4 | 0
0
3
0
5 | 0
0
3
0
6 | 0
0
3
0
7 | 0
0
3
0
8 | 0
0
3
0
9 | 0
0
3
0
0 | 0
0
3
0
1 | 0
0
3
0
2 |
| | | | | | | | | | | | | | | | | | | | | | | | | |

Cyst
Fibrosis
Inflammation, Chronic Active

2
2
1

Salivary Glands
Necrosis

+
1

Stomach, Forestomach
Hyperplasia, Squamous
Necrosis
Artery, Inflammation, Chronic Active

+ A +
2

Stomach, Glandular
Mineralization
Necrosis
Artery, Inflammation, Chronic Active

+ A +
2 3
1 1

Tooth
Dysplasia

+
4

CARDIOVASCULAR SYSTEM

Blood Vessel

+

Heart
Cardiomyopathy
Mineralization
Necrosis, Chronic
Thrombosis
Artery, Inflammation, Chronic Active

+
1 2 1 1 1 1 1
1
3

* .. 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 - 06
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| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|-----------------------|
| B6C3F1 MICE FEMALE | DAY ON TEST | 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
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
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 | females
(cont...) | |
| | 6.25 ppm | ANIMAL ID | 0
0
3
0
1 | 0
0
3
0
2 | 0
0
3
0
3 | 0
0
3
0
4 | 0
0
3
0
5 | 0
0
3
0
6 | 0
0
3
0
7 | 0
0
3
0
8 | 0
0
3
0
9 | 0
0
3
0
0 | 0
0
3
0
1 | 0
0
3
0
2 | 0
0
3
0
3 | 0
0
3
0
4 | 0
0
3
0
5 | 0
0
3
0
6 | 0
0
3
0
7 | 0
0
3
0
8 | 0
0
3
0
9 | 0
0
3
0
0 | 0
0
3
0
1 | 0
0
3
0
2 | | 0
0
3
0
3 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcapsular, Hyperplasia | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Suppurative | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | |
| Parathyroid Gland | M | + | I | + | + | + | + | M | + | M | M | M | + | + | + | + | M | M | + | M | + | M | M | M | M |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pars Distalis, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Follicular Cell, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland | + | + | + | M | + | + | + | M | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

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Experiment Number: 20303 - 06
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 Species/Strain: MICE/B6C3F1

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 Vinylidene chloride
 CAS Number: 75-35-4

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 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 | | | |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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

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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 | | | | | | | | | | | | | | | | | | | | | | | | 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
7
3
2 | 0
6
7
3 | 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 | | |
| Thymus | + | + | + | + | + | M | M | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | | |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Skin
Hemorrhage
Necrosis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| | | | | | | 2 | | | | | | | | | | | | | | | | | | | | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone
Hyperostosis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | | + | | |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Peripheral Nerve | | | | | | | | | | | | | | | | | | | | | | | | + | | |
| Spinal Cord | | | | | | | | | | | | | | | | | | | | | | | | + | | |
| RESPIRATORY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Larynx
Inflammation, Suppurative | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 1 | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
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 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
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 |
| 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 | | 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 | | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Artery, Inflammation, Chronic Active | | | | | | | | | | 3 | | | | | | | | | | | | | | | |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Cataract | | | | | | | | | | | | | | | | | | | | | | | | | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |

* .. 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
6.25 ppm | DAY ON TEST | 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
7
3
2 | 0
6
7
3 | 0
7
3
2 | 0
5
8
3 | 0
7
3
2 | 0
6
6
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 | females
(cont...) |
|--------------------------------|-------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------------------|
| | ANIMAL ID | 0
0
3
0 | 0
0
3
0 | 0
0
3
0 | 0
0
3
0 | 0
0
3
0 | 0
0
3
0 | 0
0
3
0 | 0
0
3
0 | 0
0
3
0 | 0
0
3
1 | 0
0
3
1 | 0
0
3
1 | 0
0
3
1 | 0
0
3
1 | 0
0
3
1 | 0
0
3
1 | 0
0
3
1 | 0
0
3
1 | 0
0
3
2 | 0
0
3
2 | 0
0
3
2 | 0
0
3
2 | 0
0
3
4 | |

Hyperplasia

3

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infarct | | | | 2 | | | 2 | | | | | | 2 | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nephropathy | | | | 1 | | | 2 | 2 | | | 1 | 1 | | 1 | 1 | | 1 | | 1 | 2 | 1 | 2 | | | 1 |
| Artery, Inflammation, Chronic Active | | | | | | | | | | 3 | | | | | | | | | | | | | | | |
| Glomerulus, Amyloid Deposition | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + |

* .. 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
6.25 ppm | DAY ON TEST | 0
7
3
2 | 0
7
3
3 | 0
7
3
3 | 0
4
7
1 | 0
7
3
2 | 0
6
0
6 | 0
6
4
2 | 0
6
4
9 | 0
5
6
3 | 0
5
9
2 | 0
7
0
5 | 0
7
3
2 | 0
7
3
3 | 0
5
5
4 | 0
7
3
2 | 0
5
8
4 | 0
5
9
6 | 0
7
3
3 | 0
6
0
2 | 0
7
3
2 | 0
7
3
3 | 0
6
4
8 | 0
7
3
3 | 0
6
4
3 | 0
7
3
8 | 0
7
3
3 | 0
6
4
9 | 0
7
3
0 | 0
7
3
0 | 0
6
4
4 | 0
7
3
4 | 0
6
4
5 | 0
7
3
6 | 0
7
3
7 | 0
6
4
8 | 0
7
3
9 | 0
6
4
0 | * TOTALS |
|--------------------------------|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------|----------|
| | ANIMAL ID | 0
0
3
2
6 | 0
0
3
2
7 | 0
0
3
2
8 | 0
0
3
2
9 | 0
0
3
3
0 | 0
0
3
3
1 | 0
0
3
3
2 | 0
0
3
3
3 | 0
0
3
3
3 | 0
0
3
3
4 | 0
0
3
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5 | 0
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3
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6 | 0
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7 | 0
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8 | 0
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9 | 0
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4
0 | 0
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3
4
1 | 0
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4
2 | 0
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3
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3 | 0
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4
4 | 0
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5 | 0
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3
4
6 | 0
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3
4
7 | 0
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3
4
8 | 0
0
3
4
9 | 0
0
3
4
0 | 0
0
3
4
1 | 0
0
3
4
2 | 0
0
3
4
3 | 0
0
3
4
4 | 0
0
3
4
5 | 0
0
3
4
6 | 0
0
3
4
7 | 0
0
3
4
8 | 0
0
3
4
9 | 0
0
3
4
0 | | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|---|----|-----|----|-----|-----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | | | | | |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 43 | | | |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | | | | |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | | | | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | | | | |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | | | | |
| Intestine Small, Ileum
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | | | | |
| | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | | | |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | | | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Basophilic Focus | | | | | | | | | X | | | | | | | X | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | |
| Clear Cell Focus | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Eosinophilic Focus | X | | | | | X | | | | X | | | | | | | | | | X | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | | |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Necrosis | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 2.3 | |
| Mesentery | + | | | | + | | | + | | | | | + | + | | | | | | | | + | + | | | | | + | | | | | | | | | | | | | | | | | | | | | | | | 16 | | |
| Fat, Necrosis | 2 | | | | 2 | | | 2 | | | | | 2 | 2 | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 14 | 2.2 | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | |

* .. 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 | 6.25 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | | | | |
|--------------------|----------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|------|------|------|------|------|------|
| | | 0732 | 0733 | 0733 | 0737 | 0733 | 0730 | 0734 | 0734 | 0736 | 0739 | 0732 | 0735 | 0732 | 0733 | 0734 | 0735 | 0737 | 0733 | 0732 | 0733 | | 0733 | 0738 | 0733 | 0734 | 0737 | 0736 | 0737 | 0738 |
| ANIMAL ID | | 0026 | 0007 | 0008 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 |

Cyst 1 2.0
 Fibrosis 1 2.0
 Inflammation, Chronic Active 1 1.0

Salivary Glands 50
 Necrosis 1 1.0

Stomach, Forestomach 49
 Hyperplasia, Squamous 2 2.0
 Necrosis 1 2.0
 Artery, Inflammation, Chronic Active 1 2.0

Stomach, Glandular 48
 Mineralization 2 1.0
 Necrosis 1 2.0
 Artery, Inflammation, Chronic Active 1 3.0

Tooth 1
 Dysplasia 1 4.0

CARDIOVASCULAR SYSTEM

Blood Vessel 1

Heart 50
 Cardiomyopathy 12 1.2
 Mineralization 1 1.0
 Necrosis, Chronic 1 3.0
 Thrombosis 2 4.0
 Artery, Inflammation, Chronic Active 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

6.25 ppm | DAY ON TEST | 0732 | 0733 | 0733 | 0471 | 0730 | 0664 | 0669 | 0665 | 0593 | 0592 | 0773 | 0777 | 0773 | 0575 | 0773 | 0593 | 0593 | 0776 | 0667 | 0777 | 0773 | 0664 | 0773 | 0667 | 0776 | 0776 | 0664 | 0776 | 0664 | * TOTALS |
|------------------------------------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| | ANIMAL ID | 003266 | 003332 | 003332 | 003030 | 003030 | 003030 | 003030 | 003030 | 003030 | 003030 | 003030 | 003030 | 003030 | 003030 | 003030 | 003030 | 003030 | 003030 | 003030 | 003030 | 003030 | 003030 | 003030 | 003030 | 003030 | 003030 | 003030 | 003030 | 003030 | |

ENDOCRINE SYSTEM

| | | | |
|---|---|----|-------|
| Adrenal Cortex
Angiectasis
Hyperplasia
Inflammation, Suppurative
Subcapsular, Hyperplasia | + + + + + + + + + + M + + + + + + + + + + + + + + + + | 49 | 1 4.0 |
| | 1 2 1 1 1 | | 6 1.2 |
| | | | 1 2.0 |
| | | | 1 2.0 |
| Adrenal Medulla
Hyperplasia
Inflammation, Suppurative | + + + + + + + + + + M + + + + + + + + + + + + + + | 48 | 3 2.3 |
| | 2 | | 1 2.0 |
| Islets, Pancreatic
Hyperplasia | + + + + + + + + + + 2 + + + + + + + + + + + + + + + | 49 | 1 2.0 |
| Parathyroid Gland | + M + + M M M M + M M M + + M + M + + M M M M + M | 22 | |
| Pituitary Gland
Pars Distalis, Hyperplasia | + | 50 | 9 1.9 |
| | 1 2 2 | | |
| Thyroid Gland
Follicular Cell, Hyperplasia | + + + + + + + + + + 2 + + + + + + + + + + + + + + + | 50 | 2 2.5 |
| | 3 | | |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | |
|----------------|---|----|
| Clitoral Gland | + + + + + + + + + + + + + + + + + M + + + + + + + | 46 |
|----------------|---|----|

* .. 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
6.25 ppm | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ANIMAL ID | | * TOTALS | | | | |
|----------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|---|----------|----|-----|-----|-----|
| | 7 | 7 | 7 | 4 | 7 | 6 | 6 | 6 | 5 | 5 | 7 | 7 | 7 | 5 | 7 | 5 | 5 | 7 | 6 | 7 | 7 | 7 | 6 | | | | 7 | 6 | | |
| | | 3 | 3 | 3 | 7 | 3 | 0 | 4 | 4 | 6 | 9 | 0 | 3 | 3 | 5 | 3 | 8 | 9 | 3 | 0 | 3 | 3 | 3 | 4 | 3 | 4 | | | | |
| | | 2 | 3 | 3 | 1 | 2 | 6 | 2 | 9 | 3 | 2 | 5 | 2 | 3 | 4 | 2 | 4 | 6 | 3 | 3 | 2 | 2 | 3 | 3 | 8 | 8 | | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | | | |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | | | | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | | | | |
| Ovary | | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | | | |
| Cyst | | | | | | | 3 | 3 | | | | | | | | | | | | | 2 | | | | | | 6 | 2.8 | | |
| Thrombosis | | | | | | | | | | | | | | | | | | | | | | | 3 | | | | 2 | 3.0 | | |
| Uterus | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | | | |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 | | |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 | | |
| Endometrium, Hyperplasia, Cystic | | 3 | 3 | 2 | 3 | 2 | 4 | 4 | 2 | 4 | | | 3 | 3 | 3 | 3 | | 2 | 2 | 2 | 2 | 4 | 4 | 3 | 3 | 2 | 41 | 2.6 | | |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | | |
| Myeloid Cell, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 | |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Iliac, Ectasia | | | | | | | + | | + | + | + | + | | | | | | | | | | | | | + | 11 | 1 | 3.0 | | |
| Lymph Node, Bronchial | | + | + | + | + | + | M | + | M | + | M | M | + | + | + | + | + | + | + | + | + | + | M | + | + | + | 38 | | | |
| Lymph Node, Mandibular | | + | + | M | M | + | + | M | M | + | M | + | + | + | M | + | + | + | + | + | + | + | M | M | + | M | + | 35 | 1 | 4.0 |
| Angiectasis | | | | | | | 4 | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mediastinal | | M | M | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | 45 | | | |
| Lymph Node, Mesenteric | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 | |
| Spleen | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 2.8 | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | 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 - 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 | | | | | | | | | | | | | | | | | | | | * 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 | |
| Thymus | + | + | + | + | + | + | + | M | + | + | M | + | + | M | + | + | + | + | + | + | + | + | + | + | 44 |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 2.0 |
| Skin
Hemorrhage
Necrosis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 2.0
2 2.5 |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone
Hyperostosis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 2.0 |
| Skeletal Muscle | | | | + | | | | | | | | | | | | | | | | | | | | 3 | |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Peripheral Nerve | | | | + | | | | | | | | | | | | | | | | | | | | 2 | |
| Spinal Cord | | | | + | | | | | | | | | | | | | | | | | | | | 2 | |
| RESPIRATORY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | 0760 | 0766 | 0766 | 0755 | 0755 | 0777 | 0777 | 0777 | 0755 | 0777 | 0755 | 0755 | 0777 | 0766 | 0777 | 0777 | 0766 | 0777 | 0766 | |
| 6.25 ppm | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
| | 0032 | 0033 | 0033 | 0001 | 0002 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | |
| 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 | 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 | 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 | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|------------|---|
| | | 7 | 7 | 7 | 4 | 7 | 6 | 6 | 6 | 5 | 5 | 7 | 7 | 7 | 5 | 7 | 5 | 5 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 6 |
| 6.25 ppm | ANIMAL ID | 3 | 3 | 3 | 7 | 3 | 0 | 4 | 4 | 6 | 9 | 0 | 3 | 3 | 5 | 3 | 8 | 9 | 3 | 0 | 3 | 3 | 3 | 4 | 3 | 4 |
| | | 2 | 3 | 3 | 1 | 2 | 6 | 2 | 9 | 3 | 2 | 5 | 2 | 3 | 3 | 4 | 2 | 4 | 6 | 3 | 3 | 2 | 3 | 8 | 3 | 8 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| * TOTALS | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 | |

URINARY SYSTEM

| Organ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|------------|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infarct | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nephropathy | 1 | 1 | | | 1 | | 1 | 1 | 1 | 1 | | | 2 | 2 | | | 1 | | 1 | | | | | | | |
| Artery, Inflammation, Chronic Active | | | | | 2 | | | | | | | | | | | | | | | | | 2 | 2 | | 1 | |
| Glomerulus, Amyloid Deposition | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | | | | | | | | | | | | | | | 50 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2.5 | |
| | | | | | | | | | | | | | | | | | | | | | | | | 5 | 1.8 | |
| | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | |
| | | | | | | | | | | | | | | | | | | | | | | | | 28 | 1.3 | |
| | | | | | | | | | | | | | | | | | | | | | | | | 3 | 2.3 | |
| | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 | |
| | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | |
| | | | | | | | | | | | | | | | | | | | | | | | | 49 | | |

* .. 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 | | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) |
|--------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|
| | 0703 | 0665 | 0772 | 0772 | 0668 | 0668 | 0732 | 0732 | 0732 | 0732 | 0562 | 0667 | 0774 | 0777 | 0777 | 0663 | 0666 | 0773 | 0773 | 0733 | 0733 | 0733 | 0733 | 0733 | 0566 | |
| 12.5 ppm | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | |
| | 5001 | 5002 | 5003 | 5004 | 5005 | 5006 | 5007 | 5008 | 5009 | 5010 | 5011 | 5012 | 5013 | 5014 | 5015 | 5016 | 5017 | 5018 | 5019 | 5020 | 5021 | 5022 | 5023 | 5024 | 5025 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum
Infiltration Cellular, Mast Cell
Inflammation, Chronic Active
Necrosis | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | A | + | + | + | + | + | + | 2 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | A | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | A | + | + | + | + | + | + | + |
| Intestine Small, Duodenum
Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | A | + | + | + | + | + | + | + |
| Intestine Small, Ileum
Hemorrhage
Hyperplasia
Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | A | + | + | + | + | + | + | + |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | A | + | + | + | + | + | + | + |
| Liver
Clear Cell Focus
Cyst
Eosinophilic Focus
Fatty Change
Infarct | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | X | | | X | X | | | | | | | | | X | X | | X | X | | | X | | | |
| | | | | | | | | | | 2 | | | | | | | 1 | | | | | | | |
| | | | | | | | | | | 4 | | | | | | | | | | | | | | |

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Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

Date Report Requested: 03/26/2012
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 Lab: BNW

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| | ANIMAL ID | 7 | 6 | 7 | 7 | 6 | 6 | 7 | 3 | 7 | 7 | 7 | 5 | 6 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| 12.5 ppm | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

females
(cont...)

Hypertrophy
 Vacuolization Cytoplasmic

1 1

Adrenal Medulla
 Hyperplasia

+ +

Islets, Pancreatic
 Hyperplasia

+ +

Parathyroid Gland

+ M + M M M + + M M M + M M M + M + M + M M M + M

Pituitary Gland
 Pars Distalis, Angiectasis
 Pars Distalis, Hyperplasia

+ + + + + + + + + + + + + + M + + + + + + + + + +

2 4 2

Thyroid Gland
 Follicular Cell, Hyperplasia

+ +

2

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland
 Hyperplasia

+ + M + + + + + + + + + + + + + + M + + + + + + +

Ovary
 Angiectasis
 Cyst
 Thrombosis

+ +

3 3 3 3 3 3

3

* .. 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

| B6C3F1 MICE FEMALE
12.5 ppm | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ANIMAL ID | females
(cont...) | |
|--------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------------------|---|
| | | 7 | 6 | 7 | 7 | 6 | 6 | 7 | 3 | 7 | 7 | 7 | 5 | 6 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | 5 |
| | | 0 | 6 | 3 | 3 | 3 | 6 | 3 | 9 | 3 | 3 | 3 | 2 | 2 | 0 | 3 | 3 | 5 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | |
| | | 3 | 5 | 2 | 2 | 2 | 8 | 2 | 2 | 2 | 3 | 3 | 4 | 0 | 4 | 3 | 2 | 3 | 1 | 2 | 3 | 2 | 3 | 3 | 2 | 3 | 6 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Hyperostosis | | | 2 | 1 | 2 | 2 | | 2 | | 2 | 2 | | 1 | 2 | 1 | 3 | 3 | 1 | 2 | 3 | 1 | 3 | 1 | 3 | 2 | 2 | | |
| Inflammation, Suppurative | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | |
| Olfactory Epithelium, Accumulation, Hyaline Droplet | | | | | | | | | | | | | | | | | | 1 | 1 | | 1 | 2 | 1 | | | | | |
| Olfactory Epithelium, Metaplasia, Respiratory | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 1 | | 1 | 2 | 2 | 2 | 1 | 1 | 2 | 1 | 3 | 1 | 3 | 2 | 2 | | | |
| Olfactory Epithelium, Necrosis | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Respiratory Epithelium, Accumulation, Hyaline Droplet | 2 | | 1 | 1 | | 1 | | | 2 | | | | 1 | | | | 1 | 1 | 2 | | 1 | 3 | 2 | | | | | |
| Respiratory Epithelium, Hyperplasia | 1 | 2 | | 1 | 2 | | | | 2 | 2 | 1 | 1 | 1 | 1 | | 1 | | 2 | 2 | 1 | 3 | 1 | 1 | 2 | 1 | | | |
| Respiratory Epithelium, Metaplasia, Squamous | 2 | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | |
| Respiratory Epithelium, Necrosis | | 1 | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | |
| Turbinate, Atrophy | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 3 | 2 | 2 | 3 | 2 | 2 | 3 | 2 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 2 | | | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|---|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Cataract | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Cyst | | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hydronephrosis | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | | | |
| Infarct | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | 2 | |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | | 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

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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | females
(cont...) | |
|------------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|---|
| | | 7 | 6 | 7 | 7 | 6 | 6 | 7 | 3 | 7 | 7 | 7 | 5 | 6 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | | 5 |
| | | 0 | 6 | 3 | 3 | 3 | 6 | 3 | 9 | 3 | 3 | 3 | 2 | 2 | 0 | 3 | 3 | 5 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | | 3 |
| 12.5 ppm | ANIMAL ID | 3 | 5 | 2 | 2 | 2 | 8 | 2 | 2 | 2 | 3 | 3 | 4 | 0 | 4 | 3 | 2 | 3 | 1 | 2 | 3 | 2 | 3 | 3 | 6 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | |
| Nephropathy | | 1 | 1 | 2 | 1 | | 1 | | 1 | 1 | 1 | 2 | | 1 | | 1 | 1 | | 1 | 2 | 1 | 2 | 1 | 2 | | | |
| Papilla, Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Urinary Bladder | | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | + | + | + | + | + | + | + | | |

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

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

| B6C3F1 MICE FEMALE
12.5 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | * TOTALS | | | |
|--------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|
| | 0648 | 0733 | 0679 | 0633 | 0773 | 0773 | 0678 | 0773 | 0773 | 0678 | 0773 | 0773 | 0572 | 0773 | 0773 | 0563 | 0773 | 0773 | 0673 | 0673 | 0773 | | 0773 | 0673 | 0773 |
| | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | |
| | 00526 | 00527 | 00528 | 00529 | 00530 | 00531 | 00532 | 00533 | 00534 | 00535 | 00536 | 00537 | 00538 | 00539 | 00540 | 00541 | 00542 | 00543 | 00544 | 00545 | 00546 | 00547 | 00548 | 00549 | 00550 |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Gallbladder | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | M | + | + | + | + | M | + | + | + | 45 | |
| Intestine Large, Cecum | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 | |
| Infiltration Cellular, Mast Cell | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | 1 2.0 |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | 2 2.0 |
| Intestine Large, Colon | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Intestine Small, Duodenum | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Intestine Small, Ileum | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Hemorrhage | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Hyperplasia | | | | | | 3 | | | | 3 | | | | | | | | | | | | | | | | | | 2 3.0 |
| Inflammation, Chronic Active | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Intestine Small, Jejunum | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Clear Cell Focus | | | | | | X | | | | | | | | | | | | | | | | | X | | | | | 6 |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Eosinophilic Focus | | | | | | | | | X | | X | | | | | | | X | | | | | | X | | | | 9 |
| Fatty Change | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 1.5 |
| Infarct | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
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First Dose M/F: 06/20/05 / 06/20/05
Lab: BNW

| B6C3F1 MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------|-----------|------------|
| | 0648 | 0733 | 0670 | 0663 | 0772 | 0773 | 0773 | 0773 | 0683 | 0731 | 0733 | 0733 | 0593 | 0733 | 0733 | 0567 | 0673 | 0773 | 0673 | 0773 | 0773 | 0673 | 0773 | | |
| 12.5 ppm | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | |
| 00526 | 00527 | 00528 | 00529 | 00530 | 00531 | 00532 | 00533 | 00534 | 00535 | 00536 | 00537 | 00538 | 00539 | 00540 | 00541 | 00542 | 00543 | 00544 | 00545 | 00546 | 00547 | 00548 | 00549 | | |
| | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2.5 |
| Necrosis | 3 | | | | | | | | | | | 3 | | | | | | | | | | | | 6 | 2.0 |
| Mesentery | + | | | + | | | | | | + | + | + | + | | | + | + | + | + | | | + | + | 19 | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Fat, Necrosis | 2 | | | | | | | | | | | 2 2 2 2 2 2 2 2 2 2 2 2 | | | | | | | | | | | | 15 | 2.0 |
| Pancreas | | | | | | | | | | | | | | | | | | | | | | | | 50 | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Salivary Glands | | | | | | | | | | | | | | | | | | | | | | | | 50 | |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Stomach, Forestomach | | | | | | | | | | | | | | | | | | | | | | | | 50 | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Stomach, Glandular | | | | | | | | | | | | | | | | | | | | | | | | 49 | |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1.0 |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | 3 | 1.7 |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heart | | | | | | | | | | | | | | | | | | | | | | | | 50 | |
| Cardiomyopathy | | | | | | | | | | | | | | | | | | | | | | | | 12 | 1.2 |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Thrombosis | | | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 |
| ENDOCRINE SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Cortex | | | | | | | | | | | | | | | | | | | | | | | | 50 | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 8 | 1.3 |

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

| B6C3F1 MICE FEMALE
12.5 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|--------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-----|
| | 06 | 07 | 06 | 06 | 07 | 07 | 07 | 06 | 07 | 07 | 07 | 05 | 07 | 07 | 05 | 06 | 07 | 07 | 06 | 07 | 07 | 07 | 06 | 06 | | |
| ANIMAL ID | 00526 | 00052 | 00053 | 00054 | 00055 | 00056 | 00057 | 00058 | 00059 | 00060 | 00061 | 00062 | 00063 | 00064 | 00065 | 00066 | 00067 | 00068 | 00069 | 00070 | 00071 | 00072 | 00073 | 00074 | | |
| 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 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | | |
| Pars Distalis, Angiectasis | | 2 | | | | | | | 2 | | | | | | | | | | | | | M | + | + | 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
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12.5 ppm | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * TOTALS |
|--------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|
| | ANIMAL ID | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| | | 4 | 3 | 3 | 7 | 3 | 3 | 3 | 3 | 8 | 3 | 3 | 3 | 9 | 3 | 3 | 7 | 1 | 3 | 3 | 3 | 4 | 3 | 3 |
| | | 8 | 3 | 0 | 9 | 2 | 3 | 3 | 9 | 1 | 3 | 1 | 9 | 1 | 2 | 6 | 3 | 3 | 3 | 1 | 8 | 3 | 1 | 3 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 0 |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Skin Necrosis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| | | | | | | | | | | | | | | | | | | | | | | | | 2 2.0 |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | + | | 2 |

NERVOUS SYSTEM

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

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Larynx | + | + | + | + | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Metaplasia, Squamous
Squamous Epithelium, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hemorrhage | | | | | | 2 | | | | | | | | | | | | | | | | | | 1 2.0 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | 1 | | | | | | 3 1.0 |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 4 1.3 |
| Alveolus, Infiltration Cellular, Histiocyte | | | | | 1 | | | | | | | 1 | | | | | | 1 | | | | | | 3 1.3 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Foreign Body | | | | | | | X | | | | | | | | | | | | | | | | | 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 - 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 | | | |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|-----|-----|
| | 0648 | 0733 | 0679 | 0673 | 0773 | 0773 | 0676 | 0777 | 0777 | 0678 | 0773 | 0773 | 0573 | 0773 | 0773 | 0575 | 0676 | 0773 | 0773 | 0676 | 0773 | 0773 | 0677 | 0773 | | 0676 | | |
| 12.5 ppm | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0026 | 0052 | 0052 | 0052 | 0052 | 0052 | 0052 | 0052 | 0052 | 0052 | 0052 | 0052 | 0052 | 0052 | 0052 | 0052 | 0052 | 0052 | 0052 | 0052 | 0052 | 0052 | 0052 | 0052 | 0052 | | | |
| Hyperostosis | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 45 | 2.0 | |
| Inflammation, Suppurative | | | | | | | | | | | | 2 | 2 | | | | | | | | | | | | | 3 | 1.7 | |
| Olfactory Epithelium, Accumulation, Hyaline Droplet | | | 1 | | 1 | | 2 | | | 1 | 2 | 2 | | | | 2 | | | | | | | 1 | | | 13 | 1.4 | |
| Olfactory Epithelium, Metaplasia, Respiratory | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 1 | 1 | 49 | 1.6 | |
| Olfactory Epithelium, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1.0 | |
| Respiratory Epithelium, Accumulation, Hyaline Droplet | | 1 | 2 | | 2 | | 2 | | | 2 | 3 | 2 | 1 | 2 | | 1 | 3 | | 1 | 1 | 1 | 1 | 1 | 2 | | 29 | 1.6 | |
| Respiratory Epithelium, Hyperplasia | 1 | 2 | 3 | 1 | 2 | | 1 | | 1 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | | | 1 | 2 | | 1 | 2 | 1 | 39 | 1.5 | |
| Respiratory Epithelium, Metaplasia, Squamous | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 1.3 | |
| Respiratory Epithelium, Necrosis | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | 5 | 1.0 | |
| Turbinate, Atrophy | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 1 | 2 | 2 | 3 | 2 | 3 | 50 | 2.3 | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Cataract | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | 1 | 3.0 |
| Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Hyperplasia | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | 2 | 2.0 |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Hydronephrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Infarct | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2.0 |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | | | | | 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
 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 | | | | | | |
|------------------------------------|-------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|-------|-------|-------|
| | 0648 | 0733 | 0673 | 0673 | 0773 | 0773 | 0773 | 0673 | 0773 | 0773 | 0773 | 0573 | 0773 | 0773 | 0573 | 0673 | 0773 | 0773 | 0773 | 0673 | 0773 | 0773 | | 0773 | 0673 | 0773 | 0773 | 0673 | 0773 |
| 12.5 ppm | ANIMAL ID | | 00526 | 00527 | 00528 | 00529 | 00530 | 00531 | 00532 | 00533 | 00534 | 00535 | 00536 | 00537 | 00538 | 00539 | 00540 | 00541 | 00542 | 00543 | 00544 | 00545 | 00546 | 00547 | 00548 | 00549 | 00550 | 00551 | 00552 |
| Nephropathy | 1 | 2 | 1 | | 1 | 2 | 1 | 1 | 3 | 1 | 1 | 1 | | 1 | 1 | 2 | 3 | 1 | 1 | 1 | | | | | 1 | 3 | 38 | 1.4 | |
| Papilla, Inflammation, Suppurative | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | 1 | 1.0 | |
| Renal Tubule, Pigmentation | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |

* .. 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ANIMAL ID | females
(cont...) | |
|------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------------------|--|
| | | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 4 | 7 | 4 | 6 | | | |
| | | 5 | 3 | 9 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 9 | 7 | 3 | 3 | 3 | 3 | 3 | 3 | 5 | 3 | 4 | 3 | 1 | 5 | | | |
| | | 5 | 3 | 7 | 2 | 9 | 1 | 2 | 2 | 2 | 1 | 2 | 9 | 3 | 2 | 3 | 2 | 1 | 3 | 2 | 2 | 3 | 2 | 5 | 8 | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder | + | + | A | + | + | + | + | + | + | M | + | + | + | M | + | M | + | + | + | + | + | + | + | + | |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Small, Duodenum | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Small, Ileum | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Small, Jejunum | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Angiectasis | | | | | | | 2 | | | | | | | | | | | | 2 | | | | | | |
| Basophilic Focus | | | | X | | | | | | | | | | | | | | | | | X | | | | |
| Clear Cell Focus | | | X | | | | | | | | | | | | | | | | | | X | | | | |
| Eosinophilic Focus | | | | | | | X | | | | | | | | | | | | | | | | | | |
| Mixed Cell Focus | | | | | | | | | | | | | | | | | | | | | | | | | |
| Necrosis | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesentery | + | + | + | + | | | + | | + | + | | | + | + | + | | + | + | + | + | + | + | + | + | |
| Infiltration Cellular, Mononuclear Cell | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Necrosis | 3 | 2 | 2 | 2 | | | 2 | | 2 | | | | 2 | 2 | 2 | | 2 | 2 | 2 | 2 | 2 | 2 | 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
 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 | 0655 | 0733 | 0692 | 0771 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0759 | 0677 | 0773 | 0773 | 0773 | 0773 | 0773 | 0675 | 0773 | 0434 | 0733 | 0411 | 0658 |
| | ANIMAL ID | 0070 | 0070 | 0070 | 0070 | 0070 | 0070 | 0070 | 0070 | 0070 | 0070 | 0070 | 0070 | 0070 | 0070 | 0070 | 0070 | 0070 | 0070 | 0070 | 0070 | 0070 | 0070 | 0070 |
| | | 1234 | 5678 | 9012 | 3456 | 7890 | 1234 | 5678 | 9012 | 3456 | 7890 | 1234 | 5678 | 9012 | 3456 | 7890 | 1234 | 5678 | 9012 | 3456 | 7890 | 1234 | 5678 | 9012 |

females
(cont...)

Hyperplasia

2

Parathyroid Gland

M + + + + M M M + + M + + + + + M M + M + M M +

Pituitary Gland

+ +

Pars Distalis, Angiectasis
 Pars Distalis, Cyst
 Pars Distalis, Hyperplasia

4

4

2

Thyroid Gland

+ +

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland
 Inflammation, Chronic Active

+ M + + + + + + + M + + + M M M + + + + + + + +

Ovary
 Cyst
 Thrombosis

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

Uterus
 Thrombosis
 Endometrium, Hyperplasia, Cystic

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

HEMATOPOIETIC SYSTEM

Bone Marrow

+ +

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

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CAS Number: 75-35-4

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

Species/Strain: MICE/B6C3F1

Lab: BNW

| B6C3F1 MICE FEMALE | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------------------|---|------|---|---|--|--|--|
| 25 ppm | | 0655 | 0733 | 0697 | 0737 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | | | 0777 | | | | | |
| ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | females (cont...) | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thrombosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Myeloid Cell, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node | | | | + | | | | | | | + | | | | | | | + | | | | | + | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal, Ectasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Bronchial | | M | + | + | M | + | + | + | + | + | M | + | + | + | M | + | + | + | + | M | M | + | M | + | + | + | | | | |
| Lymph Node, Mandibular | | + | M | + | M | + | M | + | + | + | + | + | + | + | M | M | M | M | + | M | M | + | + | + | + | + | + | | | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mediastinal | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Lymph Node, Mesenteric | | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spleen | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | |
| Hematopoietic Cell Proliferation | | | | 3 | | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| Thymus | | + | M | + | + | M | + | + | + | + | + | + | + | M | M | + | + | M | + | + | + | + | + | + | + | M | | | | |
| Cyst | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|--|--|
| Mammary Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | |
| Hyperplasia | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| Skin | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | |

* .. 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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 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
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| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 MICE FEMALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 4 | 7 | 4 | 7 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | |
| | | 5 | 3 | 9 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 9 | 7 | 3 | 3 | 3 | 3 | 3 | 3 | 5 | 3 | 4 | 3 | 1 | 5 | 5 | 8 | 5 | 5 | 5 | 5 | 5 | |
| | | 5 | 3 | 7 | 2 | 9 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 9 | 3 | 2 | 3 | 2 | 1 | 3 | 2 | 3 | 3 | 2 | 5 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 25 ppm | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 0 | 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 | 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 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

females
(cont...)

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Cyst | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Artery, Meninges, Inflammation, Chronic Active | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Spinal Cord | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Larynx | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Metaplasia, Squamous | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Fibrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | 2 | | | | | |
| Alveolar Epithelium, Hyperplasia | | | 2 | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| Alveolus, Infiltration Cellular, Histiocyte | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | 3 | | | |
| Perivascular, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Foreign Body | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperostosis | 2 | 3 | 2 | 3 | 2 | 1 | 2 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 2 | 2 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 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 - 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 | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) | | | | | |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------------------|------------------|------------------|------------------|------------------|------------------|
| | 0
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5 | 0
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3
3 | 0
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7 | 0
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2 | 0
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9 | 0
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7
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3 | 0
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3 | 0
7
3
2 | 0
4
3
5 | 0
6
5
8 |
| Inflammation, Suppurative | | | | | | | | | | | 1 | | | | | | 1 | | | | | | 1 | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| Olfactory Epithelium, Accumulation, Hyaline Droplet | 1 | | 2 | 2 | 1 | 1 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | |
| Olfactory Epithelium, Metaplasia, Respiratory | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 3 | 2 | 3 | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 1 | 2 | |
| Olfactory Epithelium, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Respiratory Epithelium, Accumulation, Hyaline Droplet | 1 | | 2 | 2 | 1 | 2 | 2 | 3 | 2 | 2 | 1 | 1 | 3 | 3 | 1 | 2 | 2 | | 2 | 3 | 3 | | 2 | 1 | | | |
| Respiratory Epithelium, Hyperplasia | 1 | 1 | 2 | 1 | 2 | 3 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 1 | 2 | 2 | 1 | 3 | 3 | 1 | 2 | 1 | | | |
| Respiratory Epithelium, Metaplasia, Squamous | | | | | | | | | | | 1 | | | | | | 1 | | | | | | 2 | | | | |
| Respiratory Epithelium, Necrosis | | | | | | | | | | | 1 | | | | | | 1 | | | | | | | | | | |
| Turbinate, Atrophy | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Cornea, Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Cornea, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Hyperplasia | | | | | 3 | | | | | | | | | | | 4 | | | | | | | | | | | |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Hydronephrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| Nephropathy | | 1 | | | 1 | 1 | 1 | 1 | 1 | | | | 1 | 3 | 1 | 1 | | 1 | 3 | 3 | | | 1 | 1 | | | |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|---|
| B6C3F1 MICE FEMALE | 25 ppm | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | | | |
| | | 5 | 6 | 5 | 5 | 4 | 5 | 4 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 5 | 7 | 6 | 6 | 5 | 5 | 4 | 7 | 5 | | 7 | 7 |
| | | 6 | 2 | 1 | 0 | 4 | 6 | 1 | 2 | 3 | 3 | 3 | 6 | 3 | 3 | 1 | 3 | 1 | 4 | 0 | 9 | 1 | 3 | 5 | 1 | 3 | |
| | | 4 | 6 | 9 | 8 | 0 | 2 | 3 | 4 | 3 | 3 | 2 | 9 | 3 | 2 | 2 | 4 | 0 | 2 | 2 | 5 | 1 | 6 | 5 | 1 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 0 | |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|-----------|-----------|------------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | |
| Gallbladder | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | 43 | | |
| Intestine Large, Cecum | + | + | + | + | A | + | A | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | M | + | + | + | 45 | | |
| Intestine Large, Colon | + | + | + | + | A | + | A | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | 46 | | |
| Intestine Large, Rectum | + | + | + | + | A | + | A | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | 46 | | |
| Intestine Small, Duodenum | + | + | + | + | A | + | A | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | 46 | | |
| Intestine Small, Ileum | + | + | + | + | A | + | A | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | 45 | | |
| Intestine Small, Jejunum | + | + | + | + | A | + | A | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | 45 | | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2.0 |
| Basophilic Focus | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | 3 | |
| Clear Cell Focus | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | 3 | |
| Eosinophilic Focus | | | | | | | | | | | | | | | X | | X | | | | | | | X | | | | | 4 | |
| Mixed Cell Focus | | | | | | | | | | | | | | | | | | | | | | | X | | | | | | 1 | |
| Necrosis | | | | | 2 | | | | | | | | | | | | | | | | | | X | | | | | | 3 | 2.0 |
| Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Mesentery | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 37 | | |
| Infiltration Cellular, Mononuclear Cell | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Fat, Necrosis | 2 | 2 | 2 | 2 | 2 | | | | | | | 2 | 2 | 2 | 2 | 2 | 2 | | | | | | | 2 | 3 | 4 | 2 | | 33 | 2.1 |

* .. 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 - 06

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 03/26/2012

Test Type: CHRONIC

Vinylidene chloride

Time Report Requested: 12:00:38

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 75-35-4

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

Species/Strain: MICE/B6C3F1

Lab: BNW

| B6C3F1 MICE FEMALE
25 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| | 0564 | 0669 | 0051 | 0554 | 0445 | 0545 | 0447 | 0777 | 0777 | 0777 | 0666 | 0777 | 0777 | 0555 | 0777 | 0666 | 0555 | 0444 | 0777 | 0555 | 0777 | 0555 | 0777 | | |
| | ANIMAL ID | 00726 | 00778 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | 00000 | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | 3 | 1.0 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Hyperplasia, Squamous | | | | | | | | | | | | | | 2 | | | | | | | | | | 2 | 2.0 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | 1 | | | | | | | | | | 1 | 1.0 |
| Necrosis | | | | | | | | | | | | | | | | 1 | | | | | | | 2 | 4 | 1.5 |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 | 2.0 |
| Stomach, Glandular Necrosis | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Cardiomyopathy | | | | 1 | | 1 | | | | | | | | 2 | | 1 | | | | | | | 2 | 9 | 1.2 |
| Thrombosis | | | | 3 | | | | | | | | | | | | | | | | | | | | 3 | 3.0 |
| ENDOCRINE SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | I | 49 | |
| Hyperplasia | 1 | 2 | | | | | | | | | | | 2 | | | | | | | | | | | 8 | 1.5 |
| Hypertrophy | | | | | | | | | | | | 1 | | | | | | | | | | | | 3 | 1.7 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | I | 49 | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | 2 | 4 | 2.0 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically M .. Missing tissue 1-4 .. Lesion qualified as:
 X .. Lesion present A .. Autolysis precludes evaluation 1) Minimal 3) Moderate
 I .. Insufficient tissue BLANK .. Not examined microscopically 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------|------------------|--------------|
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| | * TOTALS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | |
| GENERAL BODY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GENITAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | 3 | 2 | | 46 2.9 | | |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | ANIMAL ID | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|--------------------|-------------|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|
| | | 0564 | 0621 | 0550 | 0548 | 0545 | 0544 | 0543 | 0542 | 0541 | 0540 | 0539 | 0538 | 0537 | 0536 | 0535 | 0534 | 0533 | 0532 | 0531 | 0530 | | 0529 |
| 25 ppm | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |

Thrombosis 2 1 2.0
 Myeloid Cell, Hyperplasia 4 1 4.0

Lymph Node + + + 8
 Hyperplasia, Lymphoid 4 1 4.0
 Renal, Ectasia 1 2.0

Lymph Node, Bronchial + + + + + + + M + + + + + + M + M + + + + + M I + 38

Lymph Node, Mandibular + M + + + + M + + M + + + + + + + + M + + + + + + 37
 Angiectasis 1 3.0

Lymph Node, Mediastinal + + + + + + + + + + + + + + M + + + + + + + I M 47

Lymph Node, Mesenteric + + + M + + M + + + + + + + + M + M + + + + + + + + 45
 Hemorrhage 2 1 2.0

Spleen + + + + + + + + + + + + + + A + + + + + + + + + 49
 Hematopoietic Cell Proliferation 3 2 2 9 2.3

Thymus + + M + + + + + + + + + + + + M + + + M + + + + I + 40
 Cyst 1 1.0

INTEGUMENTARY SYSTEM

Mammary Gland + 50
 Hyperplasia 2 1 3 1.3

Skin + 50
 Inflammation, Chronic Active 1 2.0

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically M .. Missing tissue 1-4 .. Lesion qualified as:
 X .. Lesion present A .. Autolysis precludes evaluation 1) Minimal 3) Moderate
 I .. Insufficient tissue BLANK .. Not examined microscopically 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
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First Dose M/F: 06/20/05 / 06/20/05
Lab: BNW

| DAY ON TEST | B6C3F1 MICE FEMALE | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|-------------|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| 5 | 6 | 5 | 5 | 4 | 5 | 4 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 5 | 7 | 6 | 6 | 5 | 5 | 4 | 7 | 5 | 7 | 7 | |
| 6 | 2 | 1 | 0 | 4 | 6 | 1 | 2 | 3 | 3 | 3 | 6 | 3 | 3 | 1 | 3 | 1 | 4 | 0 | 9 | 1 | 3 | 5 | 1 | 3 | |
| 4 | 6 | 9 | 8 | 0 | 2 | 3 | 4 | 3 | 3 | 2 | 9 | 3 | 2 | 2 | 2 | 4 | 0 | 2 | 2 | 5 | 1 | 6 | 5 | 1 | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | |

MUSCULOSKELETAL SYSTEM

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

NERVOUS SYSTEM

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

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|----|-----|
| Larynx | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | I | + | + | 49 | | | |
| Metaplasia, Squamous | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | I | + | + | 49 | | |
| Fibrosis | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Hemorrhage | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Inflammation, Chronic Active | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | 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 | | |
| Foreign Body | | | | | | | | | | | | | | | | | | | | | | | | X | | | 2 | |
| Hyperostosis | 2 | 2 | 2 | 1 | | 2 | 1 | 2 | 2 | 3 | 2 | 3 | 2 | 3 | 1 | 2 | 2 | 1 | | | | | | | | | 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
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 | 0058 | 0054 | 0054 | 0054 | 0077 | 0077 | 0077 | 0077 | 0067 | 0077 | 0077 | 0057 | 0077 | 0066 | 0055 | 0055 | 0044 | 0077 | 0055 | 0077 | 0057 | 0077 | | | |
| 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 | 0003 | | | |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | 2 | | 1 | 5 1.2 | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2 1.0 | | |
| Olfactory Epithelium, Accumulation, Hyaline Droplet | | | 1 | | 2 | | 2 | | 2 | | 2 | | | 2 | | 1 | 1 | | | 2 | 1 | | 2 | 2 | 32 1.8 | | |
| 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 | 2 | 50 1.9 | | |
| Olfactory Epithelium, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 1.0 | | |
| Respiratory Epithelium, Accumulation, Hyaline Droplet | 1 | 2 | 1 | 2 | 1 | 1 | | 2 | 3 | | 1 | 2 | 2 | 1 | 2 | | 2 | 2 | 3 | | 1 | 1 | 1 | 2 | 1 | 42 1.8 | |
| Respiratory Epithelium, Hyperplasia | 2 | 1 | | | | 2 | | 1 | 3 | 2 | | 2 | 2 | 1 | 1 | 2 | 2 | 1 | 2 | 2 | | 1 | 2 | 1 | 1 | 43 1.8 | |
| Respiratory Epithelium, Metaplasia, Squamous | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | 7 1.1 | | |
| Respiratory Epithelium, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | 1 | 4 1.0 | | |
| Turbinate, Atrophy | 3 | 2 | 3 | 2 | | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 49 2.8 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Cornea, Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Cornea, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 2.0 | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | 48 | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | 2 3.5 | |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Hydronephrosis | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 3 3.0 | |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 1.3 | |
| Nephropathy | 1 | 1 | 1 | | | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | | | 2 | 1 | 2 | 2 | 3 | 4 | 35 1.5 |
| Artery, 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
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 1-4 .. Lesion qualified as:
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Experiment Number: 20303 - 06
 Test Type: CHRONIC
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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Vinylidene chloride
 CAS Number: 75-35-4

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| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| B6C3F1 MICE FEMALE

25 ppm | DAY ON TEST | 0564 | 0021 | 0010 | 0044 | 0056 | 0041 | 0072 | 0073 | 0073 | 0073 | 0063 | 0073 | 0073 | 0051 | 0073 | 0061 | 0066 | 0055 | 0055 | 0041 | 0073 | 0055 | 0071 | 0073 | * TOTALS | | | | | | | | | | | | | | | | | | | |
| | ANIMAL ID | 0072 | 0072 | 0078 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | | 0077 | | | | | | | | | | | | | | | | | | |
| Glomerulus, Amyloid Deposition | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | | + | | | | | | | | | | | | | | | | | | | | | | | A | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |

*** END OF REPORT ***

* .. 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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1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
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