

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	0729	0623	0729	0671	0770	0771	0777	0777	0777	0669	0667	0777	0777	0777	0667	0664	0666	0775	0777	0667	0665	0776	0775	* TOTALS
	ANIMAL ID	00026	00027	00028	00029	00030	00031	00032	00033	00034	00035	00036	00037	00038	00039	00040	00041	00042	00043	00044	00045	00046	00047	00048	

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																											1 2.0
Basophilic Focus																											2
Clear Cell Focus	X		X		X		X		X	X			X								X					16	
Eosinophilic Focus																											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	0777	0777	0669	0666	0774	0777	0777	0668	0664	0666	0776	0557	0776	0665	0665	* 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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B6C3F1 MICE MALE Control	DAY ON TEST	0729	0623	0729	0639	0731	0770	0773	0777	0777	0777	0664	0666	0777	0777	0777	0777	0666	0446	0667	0575	0776	0665	0571	* TOTALS
	ANIMAL ID	00026	00027	00028	00029	00030	00031	00032	00033	00034	00035	00036	00037	00038	00039	00040	00041	00042	00043	00044	00045	00046	00047	00048	

Hyperplasia				2																						3	2.3	
Parathyroid Gland	M	I	+	+	M	M	M	M	+	+	+	+	+	+	+	+	+	+	M	+	+	M	+	M	M	M	26	
Pituitary Gland Pars Distalis, Hyperplasia	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	1 1.0	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

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

NERVOUS SYSTEM

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

Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1		
Foreign Body																													
Inflammation, Suppurative																												1	2.0
Inflammation, Chronic Active																												1	2.0
Metaplasia, Squamous			2																									1	2.0
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1	3.0	
Hemorrhage																													
Inflammation, Chronic Active	1																				2						2	1.5	
Alveolar Epithelium, Hyperplasia									2						1								1				3	1.3	
Alveolus, Infiltration Cellular, Histiocyte																											4	1.0	
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	2			
Foreign Body																							X					2	
Hyperostosis																							2				1	2.0	
Inflammation, Suppurative															1							2					3	1.3	
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 6.25 ppm	DAY ON TEST																									ANIMAL ID	males (cont...)
	0701	0702	0703	0704	0705	0706	0707	0708	0709	0710	0711	0712	0713	0714	0715	0716	0717	0718	0719	0720	0721	0722	0723	0724	0725		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	000000000000000000000000	
Olfactory Epithelium, Metaplasia, Respiratory	1		1	1		1	1		1	1	1	1	2	1	1	2	1	1	1	2	1	2		1	1		
Olfactory Epithelium, Necrosis																											
Respiratory Epithelium, Accumulation, Hyaline Droplet			1		1			1		1						1		1	2	1	1			1			
Respiratory Epithelium, Hyperplasia	1	1	1	1	1	1	1	1	1		1		1		1	1	1	1	1	2	1	1				2	
Turbinate, Atrophy	2	2	1	1	1	1	1	1	1	1		1	2	1	1	1	1	1	1	1	1	1	1	1		1	
Pleura																											
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
SPECIAL SENSES SYSTEM																											
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Cornea, Hyperplasia, Squamous																											
Cornea, Inflammation, Chronic Active																											
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Hyperplasia												3															
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									

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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																														

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	06	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07		
ANIMAL ID	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00		
	02	02	02	02	03	03	03	03	03	03	03	03	03	03	03	04	04	04	04	04	04	04	04		
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hyperplasia, Squamous																								1 2.0	
Inflammation, Chronic Active									2										2					2 2.0	
Mineralization														1										1 1.0	
Necrosis																				2				2 1.5	
Ulcer																								1 2.0	
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Inflammation, Acute																				1				1 1.0	
Mineralization																						1		1 1.0	
Necrosis					1																			3 1.3	
Tooth																								2	
Dysplasia																								3 2 3.5	
CARDIOVASCULAR SYSTEM																									
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Cardiomyopathy			2	2		1				1				1	1						1	1		10 1.2	
ENDOCRINE SYSTEM																									
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hyperplasia				2				1				1		1										6 1.3	
Hypertrophy						1		1			1							2	2			2		11 1.4	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	

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 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		
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	+	+	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
			2										4	2								2			5	2.4
Prostate Inflammation, Suppurative	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1 3.0
Seminal Vesicle Inflammation, Suppurative	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1 3.0

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 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
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 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	8	1.8
Renal Tubule, Pigmentation																												1	2.0

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 Species/Strain: MICE/B6C3F1

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 Lab: BNW

B6C3F1 MICE MALE	DAY ON TEST																						ANIMAL ID	males (cont...)		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	
12.5 ppm	7	7	7	7	5	5	7	7	7	7	7	7	7	6	7	7	7	6	4	7	5	6	6	0	0	
	3	3	2	2	7	1	3	3	3	3	3	2	3	4	3	3	3	4	2	0	0	4	5	3	0	0
	0	0	9	6	0	4	1	1	0	0	0	9	1	1	0	0	0	8	8	9	8	8	9	7	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	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	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	

Inflammation, Chronic Active

2

Prostate

+ +

Inflammation, Suppurative

2

Inflammation, Chronic Active

Artery, Inflammation, Chronic Active

Seminal Vesicle

+ +

Testes

+ +

Germinal Epithelium, Degeneration

2

HEMATOPOIETIC SYSTEM

Bone Marrow

+ +

Erythroid Cell, Depletion Cellular

2

Lymph Node, Bronchial

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

Lymph Node, Mandibular

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

Lymph Node, Mediastinal

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

Lymph Node, Mesenteric

+ M +

Spleen

+ +

Hematopoietic Cell Proliferation

Thymus

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

INTEGUMENTARY SYSTEM

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

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 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...) | | |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|--------------------|------------------|--|
| | 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
0 | 0
7
3
0 | 0
7
2
9 | 0
7
3
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 |
| 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 | |
| Skin
Necrosis
Epidermis, Hyperplasia, Squamous | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 1 |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | | | | | + |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| RESPIRATORY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Larynx
Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Lung
Hemorrhage
Inflammation, Chronic Active
Alveolar Epithelium, Hyperplasia
Alveolus, Infiltration Cellular, Histiocyte | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 2
1
3
2
1
1 |
| Nose
Foreign Body
Hemorrhage
Hyperostosis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | 2
2
2
2
2
2
2
1
2
3
3
3
2
2
2
3
2
2
2
2
2
2
2
2
2
2
2
2 |

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 1-4 .. Lesion qualified as:
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| B6C3F1 MICE MALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|
| | 0730 | 0733 | 0732 | 0722 | 0757 | 0755 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | | |
| 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 | |
| | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| Olfactory Epithelium, Accumulation, Hyaline Droplet | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | |
| Olfactory Epithelium, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | |
| Olfactory Epithelium, Metaplasia, Respiratory | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| Olfactory Epithelium, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| Respiratory Epithelium, Accumulation, Hyaline Droplet | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | |
| Respiratory Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | |
| Respiratory Epithelium, Metaplasia, Squamous | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | |
| Respiratory Epithelium, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | |
| Turbinates, Atrophy | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| Turbinates, 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 |

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Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

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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 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 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 | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | |
| Renal Tubule, Hyperplasia
Transitional Epithelium, Hyperplasia | | 1 | 2 | 1 | | 1 | | | 2 | 2 | | | | 2 | | | | | 1 | | | | | 2 | | | | | | |
| Urinary Bladder | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Inflammation, Chronic Active
Transitional Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | |

**males
(cont...)**

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| B6C3F1 MICE MALE
12.5 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|--------------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|----------|-------|
| | 0600 | 0400 | 0703 | 0600 | 0702 | 0703 | 0702 | 0702 | 0702 | 0402 | 0703 | 0703 | 0702 | 0600 | 0702 | 0703 | 0509 | 0702 | 0703 | 0703 | 0703 | 0602 | 0509 | | | |
| ANIMAL ID | 00426 | 00442 | 00442 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | 00444 | | | |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | 2 | 6 2.3 | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | 4 | 1 4.0 | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Hyperplasia, Squamous | | | | | | | | | | | | | | | | | | | | | | | | 2 | 7 2.3 | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | 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 | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 2.0 |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blood Vessel | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Cardiomyopathy | | | | | | | | | | | | | | | | | | | | | | | | 1 2 | 12 1.2 | |
| Thrombosis | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 2.5 | |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | 2 | 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 | 0
6
0
0 | 0
4
0
4 | 0
7
3
1 | 0
6
0
4 | 0
7
2
9 | 0
7
3
1 | 0
7
2
9 | 0
7
2
9 | 0
4
2
9 | 0
7
3
0 | 0
7
3
2 | 0
6
0
9 | 0
7
7
6 | 0
7
7
6 | 0
7
7
6 | 0
5
9
9 | 0
7
2
9 | 0
7
3
0 | 0
7
3
0 | 0
6
3
0 | 0
7
3
0 | 0
6
4
2 | 0
5
0
9 | * TOTALS |
|------------------------------|-------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------|
| | ANIMAL ID | 0
4
2
6 | 0
4
2
7 | 0
4
2
8 | 0
4
2
9 | 0
4
3
0 | 0
4
3
1 | 0
4
3
2 | 0
4
3
3 | 0
4
3
4 | 0
4
3
5 | 0
4
3
6 | 0
4
3
7 | 0
4
3
8 | 0
4
3
9 | 0
4
3
0 | 0
4
4
1 | 0
4
4
2 | 0
4
4
3 | 0
4
4
4 | 0
4
4
5 | 0
4
4
6 | 0
4
4
7 | 0
4
4
8 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|-----------|------------|
| Adrenal Cortex
Hyperplasia
Hypertrophy | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| | | | | | | | 1 | | | | | 2 | | | | | 1 | | 1 | 1 | | | 1 | 1 | | | 5 | 1.2 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | 12 | 1.3 |
| Adrenal Medulla
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2.0 |
| Islets, Pancreatic
Hyperplasia | + | + | + | + | + | + | + | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | |
| | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | 4 | 2.0 |
| Parathyroid Gland
Cyst | + | + | M | M | + | M | + | M | M | + | + | + | + | + | M | M | M | M | + | + | M | + | M | + | M | 26 | | |
| | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | 2 | 2.0 |
| Pituitary Gland
Pars Distalis, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Thyroid Gland
Follicular Cell, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------|------------|
| Epididymis
Granuloma Sperm
Inflammation, Chronic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 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
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 | 00048 | 00044 | 00044 | 00044 | 00044 | 00044 | 00044 | 00044 | 00044 | 00044 | 00044 | 00044 | 00044 | 00044 | 00044 | 00044 | 00044 | 00044 | 00044 | 00044 | 00044 | | | |
| 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 | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. 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 | 0771 | 0772 | 0779 | 0429 | 0729 | 0733 | 0739 | 0626 | 0779 | 0771 | 0773 | 0599 | 0729 | 0733 | 0739 | | 0600 | 0777 | 0779 | 0605 | 0769 | |
| ANIMAL ID | 00426 | 00447 | 00448 | 00449 | 00450 | 00451 | 00452 | 00453 | 00454 | 00455 | 00456 | 00457 | 00458 | 00459 | 00460 | 00461 | 00462 | 00463 | 00464 | 00465 | 00466 | 00467 | 00468 | 00469 | 00470 | | |
| Mammary Gland | M | M | M | M | M | M | M | M | M | M | M | M | A | M | M | M | M | M | M | M | M | M | M | M | M | 0 | |
| Skin Necrosis Epidermis, Hyperplasia, Squamous | + | + | + | + | + | + | + | + | + | + | + | + | 3 | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| | 2 | | 3 | | | | | | | | | | | | | | | | | | | | | | 3 2.7 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 | | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Skeletal Muscle | | | | | | | | | | | | | + | | | | | | | | | | | | 2 | | |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| RESPIRATORY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Larynx Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| | | | | | | | | | | | | | 1 | | | | | | | | | | | | 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 | | |
| | | | | | | | | | | | | | | | | | | 1 | | | | 1 | | | 3 1.3 | | |
| Nose Foreign Body Hemorrhage Hyperostosis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | |
| | X | | | X | | | | | | | | | | | | | | | | | | | | | 2 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | | |
| | 2 | | 1 | 3 | 3 | 2 | | 2 | | 2 | 1 | 2 | 2 | 2 | 3 | 2 | 1 | 1 | 3 | 2 | 3 | 1 | 2 | 2 | 45 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
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Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

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

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

| B6C3F1 MICE MALE
12.5 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|----------|--|
| | 0600 | 0400 | 0731 | 0604 | 0779 | 0771 | 0777 | 0777 | 0472 | 0777 | 0777 | 0676 | 0777 | 0777 | 0777 | 0575 | 0777 | 0777 | 0777 | 0777 | 0676 | 0505 | 0000 | 0000 | | | |
| 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, Suppurative | 1 | | | 2 | 2 | | | | | | | | | | | | | | | | | | | | 4 1.8 | | |
| Olfactory Epithelium, Accumulation, Hyaline Droplet | | | | | 1 | | | | 2 | | | 1 | | | 2 | | 2 | 1 | | | 1 | 2 | | | 13 1.3 | | |
| Olfactory Epithelium, Atrophy | | | | 1 | | | | | | | | | | | | | | | | | | | | | 1 1.0 | | |
| Olfactory Epithelium, Metaplasia, Respiratory | 2 | | | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 47 1.6 | | |
| Olfactory Epithelium, Necrosis | | | | | 1 | | | | | | | | | | | | | | | | | | | | 2 1.5 | | |
| Respiratory Epithelium, Accumulation, Hyaline Droplet | | 1 | 1 | | 1 | 1 | | | 1 | 2 | | 1 | | 1 | 1 | | 1 | | | 1 | | 1 | 1 | | 24 1.2 | | |
| Respiratory Epithelium, Hyperplasia | 1 | 1 | 2 | 1 | 1 | 1 | | | 1 | 2 | 1 | | 1 | 1 | 2 | | 3 | 2 | 1 | 1 | 1 | 1 | 1 | | 35 1.5 | | |
| Respiratory Epithelium, Metaplasia, Squamous | | | | | 1 | | | | | | | | | | | | | | | | | | | | 3 1.0 | | |
| Respiratory Epithelium, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | 2 1.5 | | |
| Turbinate, Atrophy | 2 | 1 | 2 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 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 | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
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 A .. Autolysis precludes evaluation
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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 | | | | | | | | | | | | | | | | | | | | | | | | | * 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 | 00448 | 00449 | 00450 | 00451 | 00452 | 00453 | 00454 | 00455 | 00456 | 00457 | 00458 | 00459 | 00460 | 00461 | 00462 | 00463 | 00464 | 00465 | 00466 | 00467 | 00468 | 00469 | 00470 | 00471 | | |
| 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 |

* .. 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

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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 4 | 5 | 6 | 5 | 7 | 7 | 5 | 7 | 6 | 5 | 7 | 6 | 5 | 7 | 6 | 6 | 6 | 7 | 6 | 6 | 7 | 6 | 7 | 6 | 6 | 7 | 6 | 6 | 7 | 6 | |
| 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 | | |
| | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 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 | 7 | 8 | 9 |

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 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. 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
25 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | males
(cont...) | | | |
|--------------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------------------|------|------|------|
| | 0532 | 0770 | 0773 | 0773 | 0773 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | | 0777 | 0777 | 0777 |
| | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | | 0000 | 0000 | 0000 |
| ANIMAL ID | 0600 | 0600 | 0600 | 0600 | 0600 | 0600 | 0600 | 0600 | 0600 | 0600 | 0600 | 0600 | 0600 | 0600 | 0600 | 0600 | 0600 | 0600 | 0600 | 0600 | 0600 | 0600 | 0600 | 0600 |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | + | + | + | + | + | + |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Hyperplasia, Squamous | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | |
| Tooth | | | | | | | | | | | | | | | | | | | | | | | | |
| Dysplasia | | | | | | | | | | | | | | | | | | | | | | | | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel | + | | | | | | | | | | | | | | | | | | | | | | | |
| Thrombosis | | | | | | | | | | | | | | | | | | | | | | | | |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cardiomyopathy | | | | | | | | | | | | | | | | | | | | | | | | |
| Thrombosis | | | | | | | | | | | | | | | | | | | | | | | | |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | |
| Endothelium, 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

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

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 | 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 | | | | | | | | | | | | |

* .. 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

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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 MALE
25 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------------------|
| | 0532 | 0534 | 0535 | 0536 | 0537 | 0538 | 0539 | 0540 | 0541 | 0542 | 0543 | 0544 | 0545 | 0546 | 0547 | 0548 | 0549 | 0550 | 0551 | 0552 | 0553 | 0554 | 0555 | 0556 | 0557 | |
| | 0660 | 0666 | 0660 | 0666 | 0660 | 0666 | 0660 | 0666 | 0660 | 0666 | 0660 | 0666 | 0660 | 0666 | 0660 | 0666 | 0660 | 0666 | 0660 | 0666 | 0660 | 0666 | 0660 | 0666 | 0660 | |
| Prostate
Inflammation, Suppurative
Inflammation, Chronic Active
Artery, Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Seminal Vesicle
Dilatation
Inflammation, Suppurative | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Testes
Germinal Epithelium, Degeneration
Interstitial Cell, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Lymph Node
Lumbar, Hyperplasia, Lymphoid | | | | | | | | | | | | + | | | | | | | | | | | | | | |
| Lymph Node, Bronchial | M | + | M | M | + | M | + | M | + | M | M | + | + | M | M | M | M | + | M | M | + | M | M | | | |
| Lymph Node, Mandibular | + | M | M | + | M | M | + | M | + | M | M | M | M | + | M | + | M | M | M | + | M | M | + | M | | |
| Lymph Node, Mediastinal | M | + | M | + | M | + | + | + | M | + | + | + | + | + | + | + | M | + | M | + | + | + | M | + | + | |
| Lymph Node, Mesenteric
Angiectasis
Inflammation, Granulomatous
Artery, Inflammation, Chronic Active | M | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | |

* .. 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

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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
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 | 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 | M |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epidermis, Hyperplasia, Squamous | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | 2 |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Fibrous Osteodystrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | | | | | + |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RESPIRATORY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Larynx | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Foreign Body | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
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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 | | | | | | | | | | | | | | | | | | | | males
(cont...) | | | | |
|---|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|---|---|---|---|
| 25 ppm | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | | |
| ANIMAL ID | | 5 | 7 | 7 | 7 | 7 | 7 | 5 | 4 | 5 | 6 | 5 | 7 | 7 | 5 | 7 | 6 | 5 | 7 | 6 | 7 | | 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 | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
| Inflammation | | | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Metaplasia, Squamous | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Epithelium, Necrosis | | | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| Lung | | | | | | | | | | | | | | | | | | | | | | | + | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alveolus, Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Serosa, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nose | | | | | | | | | | | | | | | | | | | | | | | + + + + + + + + A + + + + + + + + + + + + + + | | | |
| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. 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

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 Lab: BNW

| | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|-------------------------|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------------|
| B6C3F1 MICE MALE | | 5 | 7 | 7 | 7 | 7 | 7 | 5 | 4 | 5 | 6 | 5 | 7 | 7 | 5 | 7 | 6 | 5 | 7 | 6 | 6 | 6 | 7 | 6 | |
| | | 3 | 0 | 0 | 3 | 3 | 3 | 2 | 3 | 7 | 7 | 3 | 4 | 0 | 3 | 2 | 2 | 3 | 6 | 2 | 7 | 6 | 2 | 3 | |
| | 25 ppm | 2 | 4 | 5 | 0 | 0 | 1 | 9 | 7 | 1 | 7 | 3 | 8 | 1 | 0 | 5 | 9 | 5 | 3 | 9 | 0 | 2 | 9 | 2 | |
| | 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 | |
| | | 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 | 2 | 2 | 2 | 2 | 2 | males
(cont...) |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | | |

Epithelium, Necrosis

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | + | + | + | + | + | + |
| Cataract | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Necrosis | | | | | | | | | | | 3 | | | | | | | | | | | | | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | 1 | | | | | | | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cyst | | | | | | | | | | | | | | | 2 | | | | | | | | | |
| 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 | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| Transitional Epithelium, Hyperplasia | | 2 | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
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| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------|
| B6C3F1 MICE MALE
25 ppm | DAY ON TEST | 0693 | 0563 | 0661 | 0673 | 0742 | 0772 | 0779 | 0659 | 0577 | 0573 | 0676 | 0771 | 0567 | 0575 | 0554 | 0770 | 0573 | 0664 | 0773 | 0564 | 0773 | 0547 | 0743 | 0640 | * TOTALS |
| | ANIMAL ID | 00626 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | |
| | | 267 | 228 | 229 | 230 | 231 | 232 | 233 | 234 | 235 | 236 | 237 | 238 | 239 | 240 | 241 | 242 | 243 | 244 | 245 | 246 | 247 | 248 | 249 | 250 | |

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 | |

* .. 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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25 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | | |
|--------------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|--------|--------|-------|--|
| | 0693 | 0563 | 0663 | 0673 | 0745 | 0770 | 0779 | 0652 | 0572 | 0753 | 0771 | 0667 | 0575 | 0755 | 0778 | 0583 | 0758 | 0773 | 0664 | 0577 | | 0647 | 0673 | 0547 | 0730 | | |
| ANIMAL ID | 00626 | 00662 | 00662 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | | | |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 2.0 | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | |
| Hyperplasia, Squamous | 2 | | | | | | | | | 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 | | |

* .. 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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| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | |
| | | 6 | 5 | 6 | 6 | 7 | 4 | 7 | 7 | 6 | 5 | 7 | 5 | 7 | 6 | 7 | 5 | 5 | 7 | 5 | 7 | 6 | 7 | 5 | 4 | 7 |
| | | 9 | 6 | 0 | 6 | 3 | 2 | 3 | 2 | 1 | 2 | 3 | 7 | 3 | 1 | 2 | 7 | 8 | 3 | 8 | 3 | 4 | 3 | 4 | 7 | 3 |
| 25 ppm | ANIMAL ID | 3 | 3 | 1 | 3 | 1 | 5 | 0 | 9 | 9 | 7 | 0 | 9 | 1 | 7 | 9 | 5 | 4 | 0 | 9 | 0 | 5 | 0 | 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 | |
| | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 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 | |
| * TOTALS | | | | | | | | | | | | | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|------------|
| Adrenal Cortex
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | 4 | | | | | 2.3 |
| Hypertrophy | | | | | | 2 | | | | | | | | | | | | 2 | 1 | | | | 1 | | 10 |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1.7 |
| Adrenal Medulla
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hyperplasia | | | 2 | | | | | | | | | | | | | | | 2 | | | | | | | 3 |
| | | | | | | | | | | | | | | | | | | | | | | | | | 2.0 |
| Islets, Pancreatic
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Hyperplasia | | | | 2 | | | | | | | | | | | | | | | | | | | | | 2 |
| | | | | | | | | | | | | | | | | | | | | | | | | | 2.0 |
| Parathyroid Gland
Cyst | + | M | + | + | M | M | + | M | M | + | + | M | + | M | + | M | + | + | M | + | + | M | M | 24 | |
| Cyst | | | | | | | | | | | | | | 2 | | | | | | | | | | | 1 |
| | | | | | | | | | | | | | | | | | | | | | | | | | 2.0 |
| Pituitary Gland
Pars Distalis, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | 46 |
| Hyperplasia | | | | | | | | | | | | | 1 | | | | | | | | | | | | 2 |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1.0 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------|
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Preputial Gland
Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1.5 |

* .. 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

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

| B6C3F1 MICE MALE
25 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | | | | | |
|--------------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|-------|-------|-------|-------|------|-----|
| | 0693 | 0563 | 0663 | 0673 | 0742 | 0772 | 0772 | 0659 | 0577 | 0753 | 0773 | 0661 | 0776 | 0753 | 0554 | 0557 | 0773 | 0583 | 0838 | 0734 | | 0754 | 0673 | 0754 | 0433 | 0434 | 0779 | 0470 | 0730 | |
| | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 00626 | 00662 | 00662 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 00666 | 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 | 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 | 2.5 |
| Inflammation, Granulomatous | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 2 | 3.0 |
| 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
 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
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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 | 0663 | 0673 | 0742 | 0772 | 0772 | 0659 | 0577 | 0753 | 0773 | 0661 | 0577 | 0679 | 0554 | 0554 | 0738 | 0573 | 0673 | 0754 | | 0433 | 0734 | 0549 | 0477 | 0473 | |
| ANIMAL ID | 00626 | 00662 | 00662 | 00662 | 00662 | 00662 | 00662 | 00662 | 00662 | 00662 | 00662 | 00662 | 00662 | 00662 | 00662 | 00662 | 00662 | 00662 | 00662 | 00662 | 00662 | 00662 | 00662 | 00662 | 00662 | | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Hematopoietic Cell Proliferation | | 3 | | | | | | | | | | | | | | | | | | | | | 3 | | 5 2.8 | | |
| Lymphoid Follicle, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | | |
| 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 | 1 | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Necrosis | | 2 | | | | | | | | | | | | | | | | | | | | | | | 3 2.0 | | |
| Epidermis, Hyperplasia, Squamous | | | | | | | | | | | | | 2 | | | | | | | | | | | | 1 2.0 | | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Fibrous Osteodystrophy | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Skeletal Muscle | | | | | | | | | | | | | | | | + | | | | | | | | | 2 | | |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | | |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | | |
| RESPIRATORY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Larynx | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | |
| Foreign Body | | | | | | | | | | | | | | | | X | | | | | | | | X | 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
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 Lab: BNW

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

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
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| B6C3F1 MICE MALE
25 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | |
|--------------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|-------|-------|
| | 0693 | 0563 | 0601 | 0663 | 0771 | 0745 | 0770 | 0779 | 0662 | 0557 | 0773 | 0757 | 0676 | 0771 | 0671 | 0755 | 0554 | 0773 | 0573 | 0643 | | 0750 | 0747 | 0554 | 0473 | 0730 |
| 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 | |
| Epithelium, Necrosis | 1 | | | | | | | | | | | | | | | | | | | | 1 1.0 | | | | | |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | | | | | | | | | | | | | | | | | | | | 48 | | | | | |
| Cataract | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | | | | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 | | | | |
| Harderian Gland | + | | | | | | | | | | | | | | | | | | | | 50 | | | | | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | 2 | 1 2.0 | | | | |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 | | | | |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | + | | | | | | | | | | | | | | | | | | | | 50 | | | | | |
| Cyst | | | | | | | | | | | | | | | | | | | | | 2 | 4 | 3 | 2 | 3 | 7 2.6 |
| Hydronephrosis | | | | | | | | | | | | | | | | | | | | | | | 3 | | | 3 2.3 |
| Infarct | | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Nephropathy | 3 | 2 | 1 | 1 | 2 | 4 | | 3 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 3 | 2 | 4 | | 1 | 2 | 3 | | 2 | |
| Renal Tubule, Hyperplasia | 1 | | | | 2 | | 1 | 3 | | 2 | 1 | | | | | | | 1 | 3 | 1 | | 1 | | | 1 | |
| Urinary Bladder | + | | | | | | | | | | | | | | | | | | | | 49 | | | | | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 | | | | |
| Transitional Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | | | | |

*** END OF MALE DATA ***

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
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1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
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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 | 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 | 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 | 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 |
| | | 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 | 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...)

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

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | 2 | 3 |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Inflammation, Histiocytic, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| 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 | DAY ON TEST | 0
7
3
1 | 0
7
3
1 | 0
7
3
2 | 0
7
3
2 | 0
5
0
9 | 0
7
3
3 | 0
7
3
3 | 0
6
0
5 | 0
3
2
5 | 0
7
3
1 | 0
7
3
3 | 0
7
3
3 | 0
7
3
2 | 0
5
7
2 | 0
7
3
3 | 0
6
3
5 | 0
7
3
3 | 0
7
2
6 | 0
7
3
2 | 0
7
3
3 | 0
7
3
3 | 0
7
3
3 | 0
4
4
0 | females
(cont...) |
| | ANIMAL ID | 0
1
0
1 | 0
0
1
2 | 0
0
1
3 | 0
0
1
4 | 0
0
1
5 | 0
0
1
6 | 0
0
1
7 | 0
0
1
8 | 0
0
1
9 | 0
0
1
0 | 0
0
1
1 | 0
0
1
2 | 0
0
1
3 | 0
0
1
4 | 0
0
1
5 | 0
0
1
6 | 0
0
1
7 | 0
0
1
8 | 0
0
1
9 | 0
0
1
0 | 0
0
1
1 | 0
0
1
2 | 0
0
1
3 | |

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
Artery, Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lung
Degeneration, Hyaline
Inflammation, Chronic Active
Alveolar Epithelium, Hyperplasia
Alveolus, Infiltration Cellular, Histiocyte | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Nose
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
 2) Mild 4) Marked

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

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

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

| B6C3F1 MICE FEMALE
Control | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) | | | | | |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------------------|------------------|------------------|------------------|------------------|------------------|
| | 0
7
3
1 | 0
7
3
1 | 0
7
3
2 | 0
7
3
2 | 0
5
0
9 | 0
7
3
3 | 0
7
3
3 | 0
6
0
5 | 0
3
2
5 | 0
7
3
1 | 0
7
3
3 | 0
7
3
3 | 0
7
3
2 | 0
7
3
2 | 0
5
7
2 | 0
7
3
5 | 0
6
3
3 | 0
7
3
3 | 0
7
2
6 | 0
7
3
2 | | | 0
7
3
3 | 0
7
3
2 | 0
7
3
3 | 0
7
3
4 | 0
7
3
5 |
| Olfactory Epithelium, Accumulation, Hyaline Droplet | | | 1 | | | 2 | | 1 | | | | | | | 1 | 1 | | | | 2 | 2 | | 1 | | | | |
| Olfactory Epithelium, Metaplasia, Respiratory Epithelium, Accumulation, Hyaline Droplet | 2 | 2 | 1 | 2 | | 2 | | 1 | | 1 | 1 | | 1 | | 1 | 2 | 1 | | 1 | 2 | 2 | | 1 | | 1 | | |
| Respiratory Epithelium, Hyperplasia | 1 | 1 | | 1 | | 1 | | | | | | 1 | 1 | 1 | | 2 | | | 1 | 1 | 1 | 1 | | 1 | 1 | | |
| Respiratory Epithelium, Metaplasia, Squamous | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Respiratory Epithelium, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Degeneration, Hyaline Foreign Body Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|--------------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|-------|
| | 0731 | 0732 | 0733 | 0734 | 0735 | 0736 | 0737 | 0738 | 0739 | 0740 | 0741 | 0742 | 0743 | 0744 | 0745 | 0746 | 0747 | 0748 | 0749 | 0750 | 0751 | 0752 | 0753 | 0754 | | |
| Control | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 001 | 002 | 003 | 004 | 005 | 006 | 007 | 008 | 009 | 010 | 011 | 012 | 013 | 014 | 015 | 016 | 017 | 018 | 019 | 020 | 021 | 022 | 023 | 024 | | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 1.5 |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Artery, Inflammation | | | | | | | | | | | | | | | | | | | | | | | | | | 10 |
| Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 8 2.3 |
| Pancreas | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 50 |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 2.0 |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | 2 2.0 |
| Salivary Glands | | | | | | | | | | | | | | | | | | | | | | | | | | 50 |
| Stomach, Forestomach | | | | | | | | | | | | | | | | | | | | | | | | | | 50 |
| Hyperplasia, Squamous | | | | | | | | | | | | | | | | | | | | | | | | | | 2 2.0 |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Stomach, Glandular | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mineralization | | | | | | | | | | | | | | | | | | | | | | | | | | 49 |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 1.0 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heart | | | | | | | | | | | | | | | | | | | | | | | | | | 50 |
| 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
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 | |
| | 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 | 6 | 7 | 7 | 7 | 7 | 5 | 7 | 6 | 6 | 6 | 7 | 4 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | |
| | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 3 | 3 | 9 | 3 | 1 | 4 | 2 | 3 | 9 | 3 | 3 | 3 | 3 | 9 | 3 | 3 | |
| | 1 | 2 | 2 | 1 | 3 | 7 | 3 | 2 | 1 | 2 | 9 | 2 | 1 | 9 | 8 | 2 | 1 | 2 | 1 | 2 | 2 | 0 | 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 | |
| | 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 | |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia | | | | | | | | 1 | | | | | | 1 | | | 1 | | | | | | | | |
| Hypertrophy | | | | | | | | | | | | 4 | | | | | | | | | | | | | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hyperplasia | | | | | 3 | | | | | | | | | | | | | | | | | | | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| Parathyroid Gland | M | + | M | M | M | + | M | + | + | M | + | M | + | + | M | M | + | M | M | + | M | M | M | | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Pars Distalis, Hyperplasia | | | | | | | | 1 | | | | | | | | | | | | | | | 1 | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |

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
 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

| 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 | | 0755 |
| 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 | 026 |

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

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 |
| Lumbar, Renal, Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Lumbar, Renal, Inflammation, Granulomatous | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.0 |
| Renal, Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | | | 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 | |
| Artery, Meninges, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 |
| Peripheral Nerve | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Spinal Cord | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |

RESPIRATORY SYSTEM

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

* .. 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 | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------------|-----------------|--|
| | 0731 | 0732 | 0733 | 0734 | 0735 | 0736 | 0737 | 0738 | 0739 | 0740 | 0741 | 0742 | 0743 | 0744 | 0745 | 0746 | 0747 | 0748 | 0749 | 0750 | 0751 | 0752 | 0753 | | | |
| 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 | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |
| 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 | | 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 | 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
 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
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 | females
(cont...) |
| | 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
1
0 | 0
0
3
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1 | 0
0
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1 | 0
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1 | 0
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3
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1 | 0
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3
2
2 | 0
0
3
2
2 | 0
0
3
2
2 | 0
0
3
2
2 | |

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 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Clear Cell Focus | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eosinophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Suppurative
Necrosis | 1 | | X | | | | | | | | | | | | | X | | | | X | | X | | | |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fat, Necrosis | | | + | | | | | | | | | | | | + | + | + | | | | | | | + | + |
| | | | 2 | | | | | | | | | | | | 2 | 3 | | | | | | | | 3 | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | females
(cont...) | |
|--------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|---|
| | ANIMAL ID | 4 | 6 | 7 | 7 | 7 | 4 | 7 | 7 | 6 | 7 | 7 | 5 | 7 | 6 | 6 | 7 | 5 | 7 | 7 | 7 | 6 | 5 | 5 | | 7 |
| | | 7 | 0 | 3 | 3 | 1 | 7 | 3 | 3 | 7 | 3 | 3 | 8 | 3 | 9 | 1 | 3 | 5 | 3 | 3 | 3 | 9 | 9 | 2 | | 3 |
| | | 8 | 0 | 2 | 2 | 9 | 8 | 3 | 1 | 2 | 2 | 3 | 2 | 3 | 0 | 0 | 1 | 8 | 3 | 1 | 1 | 0 | 0 | 2 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 0 | 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 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | | |

Cyst 2
 Fibrosis 2
 Inflammation, Chronic Active 1

Salivary Glands
 Necrosis +
 1

Stomach, Forestomach
 Hyperplasia, Squamous
 Necrosis + A +
 Artery, Inflammation, Chronic Active 2

Stomach, Glandular
 Mineralization + A +
 Necrosis 2
 Artery, Inflammation, Chronic Active 3

Tooth
 Dysplasia +
 4

CARDIOVASCULAR SYSTEM

Blood Vessel +

Heart
 Cardiomyopathy +
 Mineralization 1 2 1 1 1 1 1
 Necrosis, Chronic 1 1
 Thrombosis 1
 Artery, Inflammation, Chronic Active 3

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

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | 4 | |
| Hyperplasia | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| Inflammation, Suppurative | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcapsular, Hyperplasia | | | | 2 | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hyperplasia | | 2 | | | | | | | 3 | | | | | | | | | | | | | | | | |
| Inflammation, Suppurative | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | |
| Parathyroid Gland | M | + | I | + | + | + | + | M | + | M | M | M | + | + | + | + | M | M | + | M | + | M | M | M | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Pars Distalis, Hyperplasia | | | | | 3 | | | | | 2 | | | | | | | 3 | 1 | | 1 | | | | 2 | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Follicular Cell, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

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

* .. 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 | | | | | | | | | | | | | | | | | | | | 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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 BLANK .. Not examined microscopically

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

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

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

| B6C3F1 MICE FEMALE
6.25 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) | | |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------------------|------------------|------------------|
| | 0
4
7
8 | 0
6
0
0 | 0
7
3
2 | 0
7
3
2 | 0
7
1
9 | 0
4
7
8 | 0
7
3
3 | 0
7
3
1 | 0
6
7
2 | 0
7
3
2 | 0
7
3
3 | 0
5
8
2 | 0
7
3
3 | 0
6
9
0 | 0
6
1
0 | 0
7
3
1 | 0
5
5
8 | 0
7
3
3 | 0
7
3
1 | 0
6
9
0 | | | 0
5
9
0 | 0
5
2
9 |
| 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 | 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 | | 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
 X .. Lesion present
 I .. Insufficient tissue

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

1-4 .. Lesion qualified as:
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 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

| B6C3F1 MICE FEMALE
6.25 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | | | |
|----------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|-------|----|-----|-----|
| | 0732 | 0733 | 0733 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | 0737 | | 0737 | | | | | | |
| ANIMAL ID | 00326 | 00337 | 00338 | 00339 | 00340 | 00341 | 00342 | 00343 | 00344 | 00345 | 00346 | 00347 | 00348 | 00349 | 00350 | 00351 | 00352 | 00353 | 00354 | 00355 | 00356 | 00357 | 00358 | 00359 | 00360 | | | |
| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | |
| Iliac, Ectasia | | | | | | | 3 | | | | | | | | | | | | | | | | | | | 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 | | |
| Angiectasis | | | | | | | 4 | | | | | | | | | | | | | | | | | | | 1 | 4.0 | |
| 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
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| B6C3F1 MICE FEMALE
6.25 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | |
|-------------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|----------------------|
| | 0732 | 0733 | 0733 | 0741 | 0772 | 0762 | 0766 | 0766 | 0755 | 0755 | 0777 | 0777 | 0777 | 0755 | 0777 | 0755 | 0755 | 0777 | 0766 | 0777 | | 0777 | 0766 | 0777 | 0766 |
| ANIMAL ID | 00326 | 00337 | 00338 | 00339 | 00340 | 00341 | 00342 | 00343 | 00344 | 00345 | 00346 | 00347 | 00348 | 00349 | 00350 | 00351 | 00352 | 00353 | 00354 | 00355 | 00356 | 00357 | 00358 | 00359 | 00360 |
| 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
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6.25 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|--------|-------|
| | 0732 | 0733 | 0733 | 0741 | 0772 | 0762 | 0766 | 0766 | 0755 | 0755 | 0777 | 0777 | 0777 | 0755 | 0777 | 0755 | 0755 | 0777 | 0766 | 0777 | 0777 | 0766 | 0777 | | 0766 | 0766 | 0766 | |
| ANIMAL ID | 00326 | 00337 | 00333 | 00301 | 00302 | 00300 | 00300 | 00300 | 00300 | 00300 | 00300 | 00300 | 00300 | 00300 | 00300 | 00300 | 00300 | 00300 | 00300 | 00300 | 00300 | 00300 | 00300 | 00300 | 00300 | 00300 | 00300 | |
| 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 | | | 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 | 2 | 1 | 1 | 1 | | | 41 1.2 | |
| Respiratory Epithelium, Metaplasia, Squamous | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 1.5 | |
| Respiratory Epithelium, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 1.0 | |
| Turbinates, Atrophy | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 46 1.0 | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Artery, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | I | + | + | + | + | + | + | + | 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 | 07 | 06 | 07 | 07 | 06 | 06 | 07 | 03 | 07 | 07 | 07 | 05 | 06 | 07 | 07 | 07 | 06 | 06 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 05 |
| 12.5 ppm | | 00 | 06 | 03 | 03 | 03 | 06 | 03 | 09 | 03 | 03 | 03 | 02 | 02 | 00 | 03 | 03 | 05 | 01 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 06 |
| | ANIMAL ID | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 |
| | | 50 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 |
| | | 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 |
| | | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 |

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

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

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 | |
|--------------------|-------------|--------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 7 | 6 | 7 | 7 | 6 | 6 | 7 | 3 | 7 | 7 | 7 | 5 | 6 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 5 |
| 12.5 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 |
| | | 3 | 5 | 2 | 2 | 2 | 8 | 2 | 2 | 2 | 3 | 3 | 4 | 0 | 4 | 3 | 2 | 3 | 1 | 3 | 3 | 3 | 3 | 6 | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 5 | |
| | | females (cont...) | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenomyosis | | | | | | | | | | | | | | | | | | | | | | | | |
| Angiectasis | | | | | | | | | | | | | | 3 | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | 4 | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| Thrombosis | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| Endometrium, Hyperplasia, Cystic | 2 | 4 | 4 | 2 | 2 | 3 | 2 | | 3 | 4 | 2 | 4 | 2 | 1 | 3 | 4 | 3 | 2 | 4 | 3 | 3 | 3 | 3 | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Myeloid Cell, Hyperplasia | | | | | | 3 | | | | | | | | | | | | | | | | | | | |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Bronchial | + | + | + | + | + | M | + | M | + | M | + | + | + | + | + | + | + | + | + | M | + | + | + | M | |
| Lymph Node, Mandibular | + | + | M | M | M | M | M | M | + | M | + | A | + | + | + | + | M | + | + | + | M | M | M | M | + |
| Lymph Node, Mediastinal | M | M | + | + | + | + | + | + | + | + | M | + | + | + | + | M | + | + | + | + | + | + | + | + | |
| Lymph Node, Mesenteric Hyperplasia, Lymphoid | + | M | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hematopoietic Cell Proliferation | | | | | | 4 | | | | | | | | 3 | 3 | | | | | 3 | | | | | |
| Thymus | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | M | + | + | + | + |

* .. 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 | | |
| | | 7 | 6 | 7 | 7 | 6 | 6 | 7 | 3 | 7 | 7 | 7 | 5 | 6 | 7 | 7 | 7 | 6 | 6 | 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 |
| 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 | females
(cont...) | |
| | | 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 | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skin Necrosis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

MUSCULOSKELETAL SYSTEM

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

NERVOUS SYSTEM

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

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Larynx | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Metaplasia, Squamous Squamous Epithelium, Necrosis | | | | | | | | | | | | | | | | | | | | | | | |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemorrhage Inflammation, Chronic Active Alveolar Epithelium, Hyperplasia Alveolus, Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | |
| Nose Foreign Body | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* .. 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
12.5 ppm | DAY ON TEST | | ANIMAL ID | | | | | | | | | | | | | | | | | | | | females
(cont...) | | |
|------------------------------------|-------------|----|-----------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------------------|----|----|
| | 07 | 06 | 07 | 07 | 06 | 06 | 07 | 03 | 07 | 07 | 07 | 05 | 06 | 07 | 07 | 07 | 06 | 06 | 07 | 07 | 07 | 07 | | 07 | 07 |
| | 03 | 06 | 03 | 03 | 03 | 06 | 03 | 09 | 03 | 03 | 03 | 02 | 02 | 00 | 03 | 03 | 05 | 01 | 03 | 03 | 03 | 03 | 03 | 03 | 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 |
| | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | |
| | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 02 | 02 | 02 | 02 | 02 | |
| | 12 | 34 | 56 | 78 | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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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 1) Minimal 3) Moderate
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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 | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|--------------|-------------------|
| | 0648 | 0733 | 0670 | 0669 | 0733 | 0733 | 0733 | 0733 | 0688 | 0733 | 0733 | 0733 | 0593 | 0733 | 0733 | 0566 | 0733 | 0733 | 0673 | 0673 | 0733 | 0733 | 0663 | 0673 | | 0733 | 0663 | | |
| 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 | * TOTALS | | |
| Inflammation, Chronic Active Necrosis | | | | 3 | | | | | | | | | | 3 | | | | | | | | | | | | | 2 6 | 2.5
2.0 | |
| Mesentery Angiectasis Fat, Necrosis | + | | + | | | | | + | + | + | + | | + | | | + | + | + | + | | | + | + | | | | 19 | 1
15 | 2.0
2.0 |
| Pancreas Cyst | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 | 3.0 |
| Salivary Glands Inflammation, Suppurative | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 | 2.0 |
| Stomach, Forestomach Necrosis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 | 1.0 |
| Stomach, Glandular Mineralization Necrosis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | 2
3 | 1.0
1.7 |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heart Cardiomyopathy Inflammation, Suppurative Thrombosis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 12
1
1 | 1.2
3.0
4.0 |
| ENDOCRINE SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Cortex Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 8 | 1.3 |

* .. 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
12.5 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | |
|----------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|--------|
| | 0648 | 0733 | 0670 | 0663 | 0772 | 0773 | 0773 | 0689 | 0771 | 0773 | 0773 | 0599 | 0773 | 0772 | 0566 | 0773 | 0773 | 0648 | 0773 | 0773 | 0773 | | 0663 | 0773 | 0773 | |
| | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 00526 | 00552 | 00552 | 00552 | 00553 | 00553 | 00553 | 00553 | 00554 | 00555 | 00556 | 00557 | 00558 | 00559 | 00560 | 00561 | 00562 | 00563 | 00564 | 00565 | 00566 | 00567 | 00568 | 00569 | 00570 | |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Adenomyosis | | | | | | | | | 2 | | | | | | | | | | | | | | | | 1 2.0 | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | |
| Hemorrhage | | | | | | | | | | | | | | 2 | | | | | | | | | | | 1 2.0 | |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | |
| Thrombosis | | | | | 4 | | | | | | | | | | | | | | | | | | | | 2 2.5 | |
| Endometrium, Hyperplasia, Cystic | 4 | 2 | | 3 | 4 | | 3 | 2 | 1 | 4 | 3 | 4 | 3 | 2 | 3 | 4 | 4 | 4 | 3 | 4 | 3 | 2 | 3 | 4 | 4 | 46 3.0 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Myeloid Cell, Hyperplasia | | | | | | | | | | 3 | | | | | | | | | | | | | | | | 2 3.0 |
| Lymph Node | | | | | | | | | + | | | | | | | | | | | | | | | | | 1 |
| Lymph Node, Bronchial | + | + | + | + | M | + | + | + | M | M | + | M | + | + | + | + | M | + | + | + | + | M | + | M | + | 38 |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | M | + | M | M | + | + | + | M | M | + | + | M | + | M | + | + | + | 30 |
| Lymph Node, Mediastinal | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Lymph Node, Mesenteric
Hyperplasia, Lymphoid | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | |
| | | | | | | | | | | | | | | | | | | | | | | | 3 | | | 1 3.0 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Hematopoietic Cell Proliferation | | | | | 3 | | 2 | | | | | | | | | | | 3 | | | | | | | | 7 3.0 |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | 46 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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 M .. Missing tissue
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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 | 0648 | 0733 | 0679 | 0672 | 0773 | 0773 | 0689 | 0771 | 0773 | 0773 | 0591 | 0772 | 0771 | 0576 | 0673 | 0773 | 0671 | 0678 | 0773 | 0773 | 0773 | 0676 | 0773 | 0773 | 0773 | 0676 | 0776 | | |
| | 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 | | |
| 12.5 ppm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |

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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Squamous Epithelium, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Hemorrhage | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | 3 | 1.0 |
| Alveolar Epithelium, Hyperplasia | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 1.3 |
| Alveolus, Infiltration Cellular, Histiocyte | | | | | | | | | | | | | 1 | | | | | | | | 1 | | | | | | | | | | 3 | 1.3 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Foreign Body | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 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
12.5 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | |
|------------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|------|-----------|------------|
| | 0648 | 0733 | 0673 | 0673 | 0673 | 0673 | 0673 | 0673 | 0673 | 0673 | 0673 | 0673 | 0673 | 0673 | 0673 | 0673 | 0673 | 0673 | 0673 | 0673 | 0673 | 0673 | 0673 | 0673 | 0673 | 0673 | | | 0673 | 0673 | | |
| 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 | 00553 | 00554 | | | |
| Nephropathy | 1 | 2 | 1 | | 1 | 2 | 1 | 1 | 3 | 1 | 1 | 1 | | 1 | 1 | 2 | 3 | 1 | 1 | 1 | | | | | | | | | | | 38 | 1.4 |
| Papilla, Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 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

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|
| B6C3F1 MICE FEMALE
25 ppm | DAY ON TEST | 0655 | 0733 | 0693 | 0771 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0599 | 0673 | 0773 | 0773 | 0773 | 0773 | 0676 | 0774 | 0774 | 0774 | 0646 | 0746 | females
(cont...) |
| | ANIMAL ID | 0700 | 0700 | 0700 | 0700 | 0700 | 0700 | 0700 | 0700 | 0700 | 0700 | 0700 | 0700 | 0700 | 0700 | 0700 | 0700 | 0700 | 0700 | 0700 | 0700 | 0700 | 0700 | |

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 | |

* .. 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 | 0655 | 0733 | 0697 | 0771 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0599 | 0673 | 0773 | 0773 | 0773 | 0773 | 0676 | 0773 | 0443 | 0773 | 0443 | 0658 | females
(cont...) |
| | ANIMAL ID | 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 | |

Thrombosis
 Myeloid Cell, Hyperplasia

Lymph Node
 Hyperplasia, Lymphoid
 Renal, Ectasia

Lymph Node, Bronchial

Lymph Node, Mandibular
 Angiectasis

Lymph Node, Mediastinal

Lymph Node, Mesenteric
 Hemorrhage

Spleen
 Hematopoietic Cell Proliferation

Thymus
 Cyst

INTEGUMENTARY SYSTEM

Mammary Gland
 Hyperplasia

Skin
 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

| B6C3F1 MICE FEMALE
25 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | females
(cont...) | | | | | | |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|---|---|---|---|---|--|
| | 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 | 7 | 7 | 5 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | | 7 | 4 | 7 | 4 | 6 | |
| ANIMAL ID | | 5 | 3 | 9 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 9 | 7 | 3 | 3 | 3 | 3 | 3 | 5 | 3 | 4 | 3 | 1 | 5 | 8 | |
| 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 | |
| ANIMAL ID | | 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 | |
| ANIMAL ID | | 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 | |
| ANIMAL ID | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | |
| 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 | 1 | 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 | 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 | | 1 | | | | | | 2 | | | |
| Respiratory Epithelium, Necrosis | | | | | | | | | | | | | 1 | | | 1 | | 1 | | | | | | | | | |
| Turbinate, Atrophy | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Cornea, Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cornea, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| 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

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...) |
|--------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------------------|
| | 0 | 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 | 7 | 5 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 4 | 7 | 4 | 6 | 0 | |
| | 5 | 3 | 9 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 9 | 7 | 3 | 3 | 3 | 3 | 3 | 3 | 5 | 3 | 4 | 3 | 1 | 5 | 0 | |
| | 5 | 3 | 7 | 2 | 9 | 1 | 2 | 2 | 2 | 1 | 2 | 9 | 3 | 2 | 3 | 2 | 1 | 3 | 2 | 2 | 3 | 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 | 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 | |
| | 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 | 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 | 0 | |
| Glomerulus, Amyloid Deposition | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |

* .. 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

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

25 ppm | DAY ON TEST | 0564 | 0662 | 0511 | 0550 | 0446 | 0542 | 0441 | 0724 | 0773 | 0773 | 0733 | 0666 | 0733 | 0733 | 0511 | 0731 | 0664 | 0550 | 0554 | 0471 | 0553 | 0715 | 0711 | 0735 | 0711 | 0773 | * TOTALS | |
| | ANIMAL ID | 0072 | 0072 | 0022 | 0022 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | | 0044 |
| | | 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 | 0 | | 0 |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 0 | | 0 |

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 | | | | 4 | | |
| Mixed Cell Focus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Necrosis | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | 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 | | | | | | | | | | | | | | | | | | | | | | | | 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
 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 | 0626 | 0051 | 0054 | 0044 | 0066 | 0012 | 0033 | 0044 | 0077 | 0077 | 0077 | 0066 | 0077 | 0077 | 0055 | 0077 | 0066 | 0066 | 0055 | | | 0055 | 0044 | 0077 | 0055 | 0077 | 0077 |
| 25 ppm | | 064 | 006 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | |
| Pancreas | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | 3 | | | 1 | 3.0 | |
| Salivary Glands | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Stomach, Forestomach | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Hyperplasia, Squamous | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | 2 | 2.0 | |
| Inflammation, Chronic Active | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | 1 | 1.0 | |
| Necrosis | | | | | | | | | | | | | | | 1 | | | | | 2 | | | | | | 2 | 4 | 1.5 | |
| Ulcer | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | 1 | 2.0 | |
| Stomach, Glandular | | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | 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 | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Hyperplasia | | 1 | 2 | | | | | | | | | 2 | | | | | | | | | | | | | | | 8 | 1.5 | |
| Hypertrophy | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | 3 | 1.7 | |
| Adrenal Medulla | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 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
 X .. Lesion present
 I .. Insufficient tissue
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 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
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Experiment Number: 20303 - 06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

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

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

| B6C3F1 MICE FEMALE
25 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----------------|-------|
| | 0564 | 0666 | 0569 | 0558 | 0450 | 0542 | 0443 | 0724 | 0773 | 0773 | 0773 | 0663 | 0773 | 0772 | 0572 | 0762 | 0664 | 0552 | 0552 | 0471 | 0753 | 0576 | 0775 | 0771 | | | |
| ANIMAL ID | 00726 | 00777 | 00777 | 00777 | 00777 | 00777 | 00777 | 00777 | 00777 | 00777 | 00777 | 00777 | 00777 | 00777 | 00777 | 00777 | 00777 | 00777 | 00777 | 00777 | 00777 | 00777 | 00777 | 00777 | | | |
| Thrombosis | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 2.0 | | |
| Myeloid Cell, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 4 | 1 4.0 | | |
| Lymph Node
Hyperplasia, Lymphoid
Renal, Ectasia | | | | | | | | | | | | | | | | | | | | | | | | | 8 | 1 4.0
1 2.0 | |
| Lymph Node, Bronchial | + | + | + | + | + | + | + | M | + | + | + | + | + | + | M | + | M | + | + | + | + | + | M | I | + | 38 | |
| Lymph Node, Mandibular
Angiectasis | + | M | + | + | + | + | M | + | + | M | + | + | + | + | + | + | + | + | + | M | + | + | + | + | 37 | 1 3.0 | |
| Lymph Node, Mediastinal | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | I | M | 47 | |
| Lymph Node, Mesenteric
Hemorrhage | + | + | + | M | + | + | M | + | + | + | + | + | + | + | M | + | M | + | + | + | + | + | + | + | 45 | 1 2.0 | |
| Spleen
Hematopoietic Cell Proliferation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | 49 | 9 2.3 | |
| Thymus
Cyst | + | + | M | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | M | + | + | + | + | I | + | 40 | 1 1.0 |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 3 1.3 | |
| Skin
Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 2.0 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
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Experiment Number: 20303 - 06
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 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

| B6C3F1 MICE FEMALE | 25 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | |
|--------------------|--------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|---|---|---|
| | | 05064 | 06621 | 05504 | 05454 | 05454 | 05454 | 05454 | 05454 | 05454 | 05454 | 05454 | 05454 | 05454 | 05454 | 05454 | 05454 | 05454 | 05454 | 05454 | 05454 | | 05454 | | | |
| | | 0 | 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 | 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 |
| | | 0 | 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 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

MUSCULOSKELETAL SYSTEM

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

NERVOUS SYSTEM

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

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--------|
| Larynx | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | 1 2.0 |
| Metaplasia, Squamous | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | 1 2.0 |
| Fibrosis | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Hemorrhage | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | 1 2.0 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | 1 | | | | | | | | 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 | 2 |
| Foreign Body | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperostosis | 2 | 2 | 2 | 1 | | 2 | 1 | 2 | 2 | 3 | 2 | 3 | 2 | 3 | 1 | 2 | 2 | 1 | | X | | | | | | | | | 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
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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
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 First Dose M/F: 06/20/05 / 06/20/05
 Lab: BNW

| B6C3F1 MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|---------------|--|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| 25 ppm | 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 | | |
| ANIMAL ID | 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 | | |
| | 0 | 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 | 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 | | |
| 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 | | 2 | | 32 1.8 | |
| Olfactory Epithelium, Metaplasia, Respiratory | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | 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 | | | | | 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 | 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 | | | | | | 4 | | 3 3.0 | |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | 2 | 1 | | | | | | | | | 3 1.3 | |
| Nephropathy | 1 | 1 | 1 | | | 1 | 2 | 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
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