



Test Type: CHRONIC

Pulegone

Time Report Requested: 10:38:13

Route: GAVAGE

CAS Number: 89-82-7

First Dose M/F: 04/15/03 / 04/14/03

Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE MALE	0 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
<b>Disposition Summary</b>				
Animals Initially in Study	50	50	50	50
Early Deaths				
Accidently Killed		1		
Dosing Accident		1		
Moribund Sacrifice	7	8	7	8
Natural Death	5	4	1	1
Survivors				
Terminal Sacrifice	38	36	42	41
Animals Examined Microscopically	50	50	50	50

## ALIMENTARY SYSTEM

Esophagus	(50)	(50)	(50)	(50)
Inflammation	2 [1.5]		1 [2.0]	1 [1.0]
Gallbladder	(49)	(49)	(50)	(50)
Infiltration Cellular, Mononuclear Cell	1 [1.0]			
Intestine Large, Cecum	(50)	(50)	(50)	(50)
Hemorrhage		1 [3.0]		
Intestine Small, Ileum	(50)	(50)	(50)	(50)
Hyperplasia, Lymphoid	1 [2.0]			
Inflammation		1 [3.0]		
Epithelium, Hyperplasia	1 [2.0]			
Intestine Small, Jejunum	(50)	(50)	(50)	(50)
Hyperplasia, Lymphoid	1 [3.0]			
Liver	(50)	(50)	(50)	(50)
Angiectasis		2 [1.0]		
Basophilic Focus	4	5	4	6
Clear Cell Focus	15	27	28	34
Eosinophilic Focus	7	12	20	36
Fatty Change, Focal	3 [2.0]	8 [1.4]	20 [1.2]	23 [1.2]
Fatty Change, Diffuse	38 [1.3]	27 [1.1]	21 [1.0]	3 [3.3]
Hematopoietic Cell Proliferation	3 [1.0]		1 [1.0]	2 [1.0]
Hemorrhage				1 [1.0]
Hepatodiaphragmatic Nodule	1			
Inflammation	24 [1.0]	21 [1.0]	20 [1.1]	29 [1.1]
Mixed Cell Focus	18	20	19	34

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

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Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE MALE	0 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Necrosis	1 [1.0]	8 [1.6]	5 [1.6]	26 [1.6]
Pigmentation	3 [1.3]		2 [1.0]	1 [1.0]
Tension Lipidosis	5	6	7	2
Bile Duct, Cyst			3 [2.0]	14 [1.9]
Bile Duct, Fibrosis				2 [1.5]
Bile Duct, Hyperplasia			1 [1.0]	35 [1.5]
Centrilobular, Degeneration		1 [2.0]		
Centrilobular, Vacuolization Cytoplasmic		1 [2.0]	1 [2.0]	
Centrilobular, Hepatocyte, Hypertrophy		11 [1.1]	23 [1.2]	46 [1.7]
Oval Cell, Hyperplasia	1 [1.0]		1 [1.0]	36 [1.4]
Serosa, Inflammation, Chronic Active		1 [3.0]		
Vein, Intravascular Hepatocyte	3 [1.0]	1 [1.0]	15 [1.0]	47 [2.1]
Mesentery	(4)	(2)	(3)	(0)
Fat, Necrosis	3 [3.0]	1 [3.0]	3 [3.0]	
Pancreas	(50)	(50)	(50)	(50)
Cyst	1 [2.0]			
Cytoplasmic Alteration, Focal		2 [1.0]	1 [2.0]	1 [1.0]
Infiltration Cellular, Mononuclear Cell	5 [1.0]	5 [1.2]	4 [1.0]	7 [1.3]
Acinus, Atrophy	1 [3.0]	1 [2.0]		1 [3.0]
Salivary Glands	(50)	(50)	(50)	(50)
Atrophy			1 [2.0]	
Infiltration Cellular, Mononuclear Cell	40 [1.4]	32 [1.2]	30 [1.2]	33 [1.1]
Stomach, Forestomach	(50)	(50)	(50)	(50)
Hyperplasia, Squamous	7 [2.0]	10 [2.3]	27 [2.1]	41 [2.6]
Inflammation	3 [1.7]	9 [2.0]	24 [1.7]	39 [2.1]
Mineralization		1 [1.0]		
Ulcer		3 [1.3]	9 [1.9]	22 [2.0]
Artery, Inflammation, Chronic Active	1 [2.0]			
Stomach, Glandular	(50)	(50)	(50)	(50)
Erosion				1 [2.0]
Mineralization	2 [1.0]	1 [1.0]		
Epithelium, Hyperplasia		1 [2.0]		
Glands, Cyst	4 [1.0]	4 [1.0]	3 [1.0]	5 [1.0]
Glands, Hyperplasia	1 [2.0]	1 [2.0]		
Tooth	(37)	(37)	(35)	(20)
Dysplasia	37 [2.2]	37 [1.9]	35 [1.8]	20 [1.1]
Peridontal Tissue, Inflammation			1 [3.0]	
Pulp, Inflammation	1 [2.0]	1 [3.0]	1 [2.0]	1 [3.0]

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B6C3F1 MICE MALE	0 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
<b>CARDIOVASCULAR SYSTEM</b>				
Blood Vessel	(50)	(50)	(50)	(50)
Heart	(50)	(50)	(50)	(50)
Cardiomyopathy	1 [1.0]			
Infiltration Cellular, Mononuclear Cell	4 [1.0]		1 [1.0]	1 [1.0]
Inflammation	1 [1.0]			
Mineralization	1 [2.0]	1 [1.0]	1 [1.0]	4 [2.8]
<b>ENDOCRINE SYSTEM</b>				
Adrenal Cortex	(50)	(50)	(50)	(50)
Degeneration, Cystic			1 [2.0]	
Hypertrophy	17 [1.6]	9 [1.6]	8 [1.3]	4 [1.3]
Vacuolization Cytoplasmic		1 [2.0]		1 [1.0]
Subcapsular, Hyperplasia	39 [1.3]	40 [1.4]	47 [1.2]	44 [1.4]
Zona Fasciculata, Hyperplasia	1 [2.0]			
Adrenal Medulla	(50)	(50)	(50)	(50)
Hyperplasia		2 [1.0]	1 [3.0]	2 [1.0]
Islets, Pancreatic	(50)	(50)	(50)	(50)
Hyperplasia	20 [1.4]	17 [1.5]	21 [1.2]	2 [1.0]
Pituitary Gland	(50)	(50)	(50)	(50)
Cyst	1 [1.0]			1 [1.0]
Pars Distalis, Hyperplasia			1 [3.0]	
Thyroid Gland	(50)	(50)	(50)	(50)
Infiltration Cellular, Mononuclear Cell	1 [1.0]			1 [2.0]
Follicular Cell, Hyperplasia				1 [1.0]
<b>GENERAL BODY SYSTEM</b>				
None				
<b>GENITAL SYSTEM</b>				
Coagulating Gland	(1)	(1)	(0)	(1)
Hyperplasia	1 [2.0]			
Inflammation				1 [3.0]
Epididymis	(50)	(50)	(50)	(50)

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B6C3F1 MICE MALE	0 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Cyst		1 [3.0]		
Granuloma Sperm			1 [2.0]	
Infiltration Cellular, Mononuclear Cell	23 [1.2]	27 [1.1]	20 [1.1]	20 [1.0]
Inflammation	2 [1.5]			
Mineralization		1 [1.0]		
Preputial Gland	(50)	(50)	(50)	(50)
Cyst				2 [2.0]
Infiltration Cellular, Mononuclear Cell	10 [1.1]	15 [1.3]	12 [1.3]	7 [1.1]
Inflammation	4 [1.0]	4 [3.0]	3 [2.3]	4 [1.3]
Duct, Ectasia	1 [2.0]	1 [2.0]	3 [2.0]	3 [1.7]
Prostate	(50)	(50)	(50)	(50)
Infiltration Cellular, Mononuclear Cell	23 [1.0]	30 [1.0]	23 [1.0]	14 [1.1]
Inflammation	1 [1.0]		1 [2.0]	1 [3.0]
Epithelium, Hyperplasia	6 [1.0]	3 [1.3]		
Seminal Vesicle	(50)	(50)	(50)	(50)
Atrophy		1 [3.0]		
Dilatation		1 [2.0]		
Testes	(50)	(50)	(50)	(50)
Cyst		1 [3.0]		
Mineralization		2 [1.5]	1 [2.0]	
Germinal Epithelium, Atrophy	2 [2.0]	2 [1.5]	3 [2.0]	
<b>HEMATOPOIETIC SYSTEM</b>				
Bone Marrow	(50)	(50)	(50)	(50)
Atrophy, Focal				1 [2.0]
Hemorrhage				1 [2.0]
Myelofibrosis	2 [2.0]		3 [1.3]	1 [1.0]
Lymph Node	(1)	(3)	(0)	(2)
Lymph Node, Mandibular	(50)	(50)	(50)	(50)
Atrophy	1 [2.0]	4 [2.0]	3 [2.3]	2 [2.5]
Hyperplasia, Lymphoid	1 [2.0]	1 [3.0]		
Hyperplasia, Plasma Cell	2 [1.5]	1 [2.0]		
Lymph Node, Mesenteric	(47)	(49)	(45)	(44)
Atrophy		1 [2.0]	2 [2.5]	3 [2.0]
Hyperplasia, Lymphoid	1 [2.0]			1 [3.0]
Spleen	(50)	(50)	(50)	(50)
Atrophy				1 [3.0]
Hematopoietic Cell Proliferation	29 [1.3]	32 [1.7]	23 [1.9]	23 [1.3]

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Hyperplasia, Lymphoid	2 [2.5]	3 [1.7]		
Lymphoid Follicle, Atrophy	1 [2.0]		1 [3.0]	3 [2.3]
Red Pulp, Atrophy	1 [2.0]		1 [2.0]	3 [2.3]
Thymus	(49)	(46)	(45)	(42)
Atrophy	36 [2.4]	35 [2.6]	32 [2.7]	30 [2.3]
Hyperplasia, Lymphoid		2 [2.0]		
Necrosis, Lymphoid		2 [2.5]		
<b>INTEGUMENTARY SYSTEM</b>				
Skin	(50)	(50)	(50)	(50)
Inflammation		1 [3.0]	2 [2.5]	
Ulcer		1 [3.0]	2 [2.5]	
Epidermis, Hyperplasia			1 [2.0]	
Subcutaneous Tissue, Hemorrhage		1 [2.0]		
<b>MUSCULOSKELETAL SYSTEM</b>				
Bone	(50)	(50)	(50)	(50)
Fracture		1		
Osteosclerosis		1 [2.0]		1 [3.0]
Skeletal Muscle	(1)	(0)	(0)	(0)
<b>NERVOUS SYSTEM</b>				
Brain	(50)	(50)	(50)	(50)
Arteriole, Infiltration Cellular, Lymphoid		1 [1.0]		
Meninges, Infiltration Cellular, Lymphoid		1 [2.0]		
<b>RESPIRATORY SYSTEM</b>				
Lung	(50)	(50)	(50)	(50)
Hemorrhage	1 [2.0]			
Inflammation		5 [1.8]	2 [2.5]	1 [2.0]
Alveolar Epithelium, Hyperplasia	2 [3.0]	7 [2.0]	2 [2.5]	9 [1.7]
Alveolus, Infiltration Cellular, Histiocyte	2 [1.0]	4 [1.5]	3 [2.0]	3 [1.0]
Serosa, Inflammation		2 [2.5]		
Nose	(50)	(50)	(50)	(50)

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Inflammation	2 [1.5]	3 [1.7]	2 [2.0]	22 [1.4]
Polyp, Inflammatory		2 [2.5]		
Glands, Cyst		1 [2.0]		
Nerve, Atrophy	1 [1.0]	3 [1.7]	3 [1.0]	45 [1.8]
Olfactory Epithelium, Degeneration	3 [2.0]	3 [2.0]	11 [1.4]	46 [1.7]
Olfactory Epithelium, Erosion				1 [2.0]
Olfactory Epithelium, Metaplasia	1 [2.0]	5 [1.4]	3 [1.0]	44 [1.9]
Olfactory Epithelium, Necrosis				1 [3.0]
Respiratory Epithelium, Hyperplasia	39 [1.1]	38 [1.2]	42 [1.2]	40 [1.0]
<b>SPECIAL SENSES SYSTEM</b>				
Eye	(50)	(50)	(50)	(50)
Atrophy				1 [4.0]
Cornea, Inflammation	1 [2.0]		1 [2.0]	3 [1.3]
Optic Nerve, Degeneration		1 [2.0]		
Harderian Gland	(50)	(50)	(50)	(50)
Infiltration Cellular, Mononuclear Cell	34 [1.0]	27 [1.0]	23 [1.0]	17 [1.0]
Inflammation, Chronic Active		1 [3.0]		
Epithelium, Hyperplasia	1 [1.0]	3 [2.0]	1 [2.0]	3 [2.0]
<b>URINARY SYSTEM</b>				
Kidney	(50)	(50)	(50)	(50)
Accumulation, Hyaline Droplet	1 [2.0]			
Cyst	9 [1.4]	3 [1.0]	4 [1.3]	
Glomerulopathy, Hyaline	1 [1.0]	19 [1.1]	30 [1.1]	44 [1.9]
Infarct	1 [3.0]			1 [1.0]
Metaplasia, Osseous	3 [2.0]	2 [2.0]	2 [1.5]	4 [2.3]
Mineralization	30 [1.0]	34 [1.0]	41 [1.1]	38 [1.0]
Necrosis				1 [2.0]
Nephropathy	45 [1.2]	45 [1.3]	49 [1.4]	49 [1.9]
Pigmentation			2 [3.0]	
Glomerulus, Congestion	9 [1.6]	14 [1.4]	17 [1.4]	44 [2.0]
Papilla, Necrosis	1 [3.0]			
Pelvis, Inflammation	1 [2.0]			2 [2.5]
Renal Tubule, Hyperplasia	1 [2.0]		1 [2.0]	1 [1.0]
Urethra	(0)	(0)	(1)	(0)
Urinary Bladder	(50)	(50)	(50)	(50)

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B6C3F1 MICE MALE	0 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Infiltration Cellular, Mononuclear Cell Transitional Epithelium, Hyperplasia	28 [1.0]	19 [1.0]	19 [1.0]	31 [1.1] 1 [2.0]

\*\*\* END OF MALE \*\*\*

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B6C3F1 MICE FEMALE	0 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
<b>Disposition Summary</b>				
Animals Initially in Study	50	50	50	50
Early Deaths				
Dosing Accident				1
Moribund Sacrifice	9	3	5	9
Natural Death	5	6	7	3
Survivors				
Terminal Sacrifice	35	41	38	37
Animals Examined Microscopically	49	50	50	50
<b>ALIMENTARY SYSTEM</b>				
Esophagus	(49)	(50)	(50)	(50)
Perforation				1 [3.0]
Periesophageal Tissue, Inflammation		1 [3.0]		
Gallbladder	(48)	(50)	(50)	(50)
Infiltration Cellular, Mononuclear Cell	1 [1.0]	2 [1.5]		1 [2.0]
Intestine Large, Cecum	(49)	(50)	(50)	(50)
Intestine Large, Colon	(49)	(50)	(50)	(50)
Intestine Large, Rectum	(49)	(50)	(50)	(50)
Artery, Inflammation, Chronic Active		1 [3.0]		
Intestine Small, Duodenum	(49)	(50)	(50)	(50)
Artery, Inflammation, Chronic Active		1 [2.0]		
Intestine Small, Ileum	(49)	(50)	(50)	(50)
Artery, Inflammation, Chronic Active		1 [3.0]		
Intestine Small, Jejunum	(49)	(50)	(50)	(50)
Artery, Inflammation, Chronic Active		1 [2.0]		
Liver	(49)	(50)	(50)	(50)
Angiectasis		1 [3.0]	3 [1.3]	1 [2.0]
Basophilic Focus	1	3		1
Clear Cell Focus		6	23	32
Eosinophilic Focus	3	7	10	31
Fatty Change, Focal	1 [1.0]	2 [1.5]	20 [1.2]	12 [1.4]
Fatty Change, Diffuse	36 [1.5]	31 [1.1]	34 [1.4]	3 [2.7]
Fibrosis				2 [2.0]
Hematopoietic Cell Proliferation	1 [1.0]			1 [1.0]
Inflammation	40 [1.2]	40 [1.1]	14 [1.0]	31 [1.1]

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B6C3F1 MICE FEMALE	0 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Mineralization				1 [3.0]
Mixed Cell Focus	4	8	16	20
Necrosis	5 [2.2]	2 [2.0]	4 [2.5]	27 [1.3]
Pigmentation				46 [1.5]
Tension Lipidosis	5	5	4	
Bile Duct, Cyst			4 [2.0]	38 [2.6]
Bile Duct, Hyperplasia			2 [1.0]	47 [2.2]
Centrilobular, Hepatocyte, Hypertrophy		4 [1.3]	12 [1.1]	29 [1.2]
Oval Cell, Hyperplasia			3 [1.3]	46 [1.5]
Portal, Fibrosis				1 [2.0]
Vein, Hypertrophy				1 [2.0]
Vein, Intravascular Hepatocyte		2 [1.0]	20 [1.1]	46 [2.2]
Mesentery	(6)	(12)	(11)	(2)
Necrosis	2 [3.0]			
Artery, Inflammation, Chronic Active		1 [3.0]		
Fat, Necrosis	4 [3.0]	11 [3.0]	10 [3.0]	1 [2.0]
Pancreas	(49)	(50)	(50)	(50)
Atrophy				1 [2.0]
Cytoplasmic Alteration, Focal	1 [2.0]	2 [1.5]		2 [2.0]
Infiltration Cellular, Mononuclear Cell	12 [1.2]	16 [1.2]	15 [1.1]	11 [1.4]
Acinus, Atrophy	1 [2.0]	1 [2.0]		
Artery, Inflammation, Chronic Active		1 [3.0]		
Salivary Glands	(49)	(50)	(49)	(50)
Infiltration Cellular, Mononuclear Cell	39 [1.2]	29 [1.3]	28 [1.2]	26 [1.1]
Stomach, Forestomach	(49)	(50)	(50)	(50)
Hyperplasia, Squamous	13 [2.1]	1 [1.0]	10 [1.9]	26 [2.1]
Inflammation	10 [1.9]		7 [1.9]	20 [2.1]
Mineralization				1 [1.0]
Ulcer	8 [2.1]		4 [2.0]	10 [2.0]
Stomach, Glandular	(49)	(50)	(50)	(50)
Mineralization			1 [2.0]	
Artery, Inflammation, Chronic Active		1 [2.0]		
Glands, Cyst	2 [1.0]	3 [1.0]	3 [1.0]	2 [1.0]
Tongue	(0)	(0)	(0)	(1)
Tooth	(3)	(1)	(2)	(1)
Dysplasia	3 [1.3]	1 [3.0]	2 [2.5]	1 [1.0]
Peridontal Tissue, Inflammation		1 [3.0]		

## CARDIOVASCULAR SYSTEM

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B6C3F1 MICE FEMALE	0 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Blood Vessel	(49)	(50)	(50)	(50)
Mineralization			1 [3.0]	
Heart	(49)	(50)	(50)	(50)
Cardiomyopathy	1 [1.0]	2 [1.5]	1 [1.0]	5 [1.2]
Infiltration Cellular, Mononuclear Cell	1 [2.0]			
Inflammation	1 [2.0]	1 [2.0]	1 [1.0]	1 [2.0]
Mineralization	2 [3.0]		2 [3.0]	8 [1.9]
Necrosis				2 [2.5]
Ventricle, Thrombosis				1 [1.0]
<b>ENDOCRINE SYSTEM</b>				
Adrenal Cortex	(49)	(50)	(50)	(50)
Hypertrophy		1 [2.0]	1 [1.0]	1 [2.0]
Inflammation				1 [1.0]
Vacuolization Cytoplasmic	1 [2.0]		1 [2.0]	
Subcapsular, Hyperplasia	49 [2.0]	50 [2.1]	49 [2.0]	49 [2.1]
Adrenal Medulla	(49)	(50)	(50)	(50)
Hyperplasia	1 [3.0]			
Islets, Pancreatic	(49)	(50)	(50)	(50)
Hyperplasia	5 [1.4]	2 [1.0]	3 [1.0]	1 [1.0]
Parathyroid Gland	(45)	(47)	(39)	(39)
Infiltration Cellular, Lymphocyte		1 [3.0]		
Pituitary Gland	(49)	(50)	(49)	(49)
Angiectasis	3 [1.7]	3 [1.7]	1 [2.0]	2 [1.0]
Cyst				1 [2.0]
Degeneration	1 [3.0]			
Pars Distalis, Cyst		2 [2.0]		
Pars Distalis, Hyperplasia	7 [2.4]	4 [1.8]	5 [2.0]	4 [2.3]
Thyroid Gland	(49)	(50)	(49)	(50)
Infiltration Cellular, Mononuclear Cell	1 [1.0]		1 [1.0]	
C-cell, Hyperplasia		1 [1.0]		
Follicle, Cyst	1 [3.0]			
Follicular Cell, Hyperplasia	1 [3.0]			1 [3.0]
<b>GENERAL BODY SYSTEM</b>				
None				

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

Test Type: CHRONIC

Pulegone

Time Report Requested: 10:38:13

Route: GAVAGE

CAS Number: 89-82-7

First Dose M/F: 04/15/03 / 04/14/03

Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE FEMALE	0 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
<b>GENITAL SYSTEM</b>				
Clitoral Gland	(47)	(50)	(49)	(49)
Infiltration Cellular, Mononuclear Cell			1 [2.0]	1 [1.0]
Inflammation		1 [3.0]	1 [2.0]	3 [1.7]
Ovary	(49)	(49)	(50)	(50)
Angiectasis	1 [2.0]	1 [3.0]	1 [3.0]	
Atrophy	11 [3.3]	10 [3.3]	24 [3.5]	39 [3.9]
Cyst	6 [2.3]	7 [2.4]	9 [2.1]	7 [2.4]
Uterus	(49)	(49)	(50)	(50)
Angiectasis	3 [2.3]			
Decidual Reaction		1 [3.0]		
Infiltration Cellular, Mononuclear Cell				1 [1.0]
Inflammation	1 [2.0]	1 [2.0]		
Metaplasia		1 [2.0]		
Endometrium, Hyperplasia, Cystic	32 [2.8]	32 [2.6]	40 [2.6]	35 [3.0]
<b>HEMATOPOIETIC SYSTEM</b>				
Bone Marrow	(49)	(50)	(50)	(50)
Atrophy			1 [2.0]	1 [2.0]
Hyperplasia	2 [2.5]	9 [2.6]	4 [2.5]	5 [2.6]
Myelofibrosis	20 [1.6]	17 [1.8]	17 [1.6]	14 [1.6]
Necrosis			1 [2.0]	
Lymph Node	(1)	(2)	(5)	(2)
Lymph Node, Mandibular	(49)	(50)	(49)	(50)
Atrophy		1 [3.0]		2 [3.0]
Hyperplasia, Lymphoid	2 [2.5]		1 [3.0]	2 [2.5]
Pigmentation			1 [2.0]	
Lymph Node, Mesenteric	(47)	(49)	(50)	(49)
Atrophy			2 [2.5]	1 [3.0]
Hyperplasia, Reticulum Cell			1 [3.0]	
Spleen	(49)	(50)	(50)	(50)
Hematopoietic Cell Proliferation	24 [1.6]	29 [1.4]	25 [1.4]	40 [1.5]
Hyperplasia, Lymphoid	6 [2.3]	3 [2.0]	9 [1.9]	3 [1.7]
Necrosis				1 [2.0]
Pigmentation		1 [2.0]	3 [1.7]	2 [1.5]
Lymphoid Follicle, Atrophy				1 [3.0]
Red Pulp, Atrophy	1 [2.0]			1 [2.0]

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Test Type: CHRONIC

Pulegone

Time Report Requested: 10:38:13

Route: GAVAGE

CAS Number: 89-82-7

First Dose M/F: 04/15/03 / 04/14/03

Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE FEMALE	0 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Thymus	(48)	(49)	(49)	(46)
Atrophy	28 [2.5]	21 [2.5]	20 [2.7]	13 [2.5]
Hyperplasia, Lymphoid	4 [2.0]	5 [2.0]	2 [2.5]	1 [2.0]
<b>INTEGUMENTARY SYSTEM</b>				
Mammary Gland	(49)	(50)	(50)	(50)
Skin	(49)	(50)	(50)	(50)
<b>MUSCULOSKELETAL SYSTEM</b>				
Bone	(49)	(50)	(50)	(50)
Osteosclerosis			1 [2.0]	1 [2.0]
Cranium, Myelofibrosis			1 [3.0]	
Skeletal Muscle	(0)	(0)	(1)	(1)
<b>NERVOUS SYSTEM</b>				
Brain	(49)	(50)	(50)	(50)
Hemorrhage				1 [3.0]
Infiltration Cellular, Mononuclear Cell	1 [1.0]			
Necrosis			1 [3.0]	
Hippocampus, Gliosis			1 [2.0]	
<b>RESPIRATORY SYSTEM</b>				
Lung	(49)	(50)	(50)	(50)
Inflammation	2 [1.5]	4 [1.0]	2 [2.5]	
Mineralization			1 [2.0]	
Pigmentation				1 [2.0]
Alveolar Epithelium, Hyperplasia	1 [2.0]	3 [1.3]	2 [1.5]	7 [1.7]
Mediastinum, Serosa, Inflammation				1 [2.0]
Nose	(49)	(50)	(50)	(50)
Inflammation	2 [1.5]	1 [1.0]	4 [1.8]	27 [1.8]
Ulcer				1 [1.0]
Glands, Cyst	1 [2.0]			
Nerve, Atrophy		1 [2.0]	2 [1.0]	49 [2.7]
Olfactory Epithelium, Degeneration		5 [1.8]	22 [1.6]	48 [1.9]

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Test Type: CHRONIC

Pulegone

Time Report Requested: 10:38:13

Route: GAVAGE

CAS Number: 89-82-7

First Dose M/F: 04/15/03 / 04/14/03

Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE FEMALE	0 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
Olfactory Epithelium, Metaplasia	1 [1.0]	2 [1.0]	4 [1.8]	49 [2.8]
Respiratory Epithelium, Metaplasia	1 [1.0]			
<b>SPECIAL SENSES SYSTEM</b>				
Eye	(49)	(50)	(49)	(50)
Atrophy		2 [3.0]	1 [3.0]	3 [3.7]
Cataract	1 [3.0]			1 [2.0]
Anterior Chamber, Inflammation				2 [2.0]
Choroid, Sclera, Inflammation			1 [3.0]	1 [3.0]
Cornea, Inflammation	2 [2.0]			9 [2.2]
Cornea, Pigmentation				1 [1.0]
Retina, Degeneration	1 [3.0]			
Harderian Gland	(49)	(50)	(49)	(50)
Cyst	1 [2.0]			
Infiltration Cellular, Mononuclear Cell	30 [1.0]	22 [1.0]	17 [1.1]	15 [1.1]
Inflammation, Chronic Active				1 [3.0]
Epithelium, Hyperplasia	3 [2.3]			4 [1.8]
<b>URINARY SYSTEM</b>				
Kidney	(49)	(50)	(50)	(50)
Accumulation, Hyaline Droplet	2 [2.5]			
Cyst			2 [2.0]	
Glomerulopathy, Hyaline		3 [1.0]	15 [1.3]	41 [1.5]
Infarct	3 [2.0]	2 [1.5]	1 [3.0]	1 [2.0]
Metaplasia, Osseous	1 [2.0]	2 [2.0]	2 [1.5]	4 [1.5]
Mineralization	1 [1.0]		3 [1.0]	20 [1.0]
Nephropathy	13 [1.4]	19 [1.2]	12 [1.2]	25 [1.2]
Pigmentation	1 [1.0]	1 [3.0]		
Vacuolization Cytoplasmic		1 [3.0]	2 [2.0]	
Glomerulus, Congestion	5 [1.2]	2 [1.0]	12 [1.1]	37 [1.3]
Papilla, Mineralization	1 [3.0]			
Papilla, Necrosis	3 [3.0]	1 [3.0]	1 [2.0]	
Pelvis, Dilatation		1 [2.0]		
Urinary Bladder	(49)	(49)	(50)	(50)
Infiltration Cellular, Mononuclear Cell	37 [1.2]	33 [1.1]	30 [1.2]	30 [1.4]
Artery, Inflammation, Chronic Active		1 [3.0]		

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TDMS No. 99020 - 06

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH  
AVERAGE SEVERITY GRADES[b]**

Date Report Requested: 04/23/2009

Test Type: CHRONIC

Pulegone

Time Report Requested: 10:38:13

Route: GAVAGE

CAS Number: 89-82-7

First Dose M/F: 04/15/03 / 04/14/03

Species/Strain: MICE/B6C3F1

Lab: BAT

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B6C3F1 MICE FEMALE	0 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG
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\*\*\* END OF REPORT \*\*\*

a - Number of animals examined microscopically at site and number of animals with lesion  
b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)