

**TDMs No.** 99007 - 06

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

**Date Report Requested:** 08/14/2008

**Test Type:** CHRONIC

Goldenseal root powder

**Time Report Requested:** 12:25:59

**Route:** DOSED FEED

**CAS Number:** GOLDENSEALRT

**First Dose M/F:** 05/12/03 / 05/12/03

**Species/Strain:** MICE/B6C3F1

**Lab:** SRI

F1\_Rev.1\_M3

**C Number:** C99007B  
**Lock Date:** 08/29/2006  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 2.0.0

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Species/Strain: MICE/B6C3F1

Lab: SRI

B6C3F1 MICE MALE	0 PPM	3000 PPM	9000 PPM	25000 PPM
<b>Disposition Summary</b>				
Animals Initially in Study	50	50	50	50
Early Deaths				
Moribund Sacrifice		3	2	3
Natural Death	7	9	3	2
Survivors				
Natural Death		1		
Terminal Sacrifice	43	37	45	45
Animals Examined Microscopically	50	50	50	50
<b>ALIMENTARY SYSTEM</b>				
Intestine Large, Cecum	(47)	(46)	(48)	(50)
Intestine Small, Duodenum	(44)	(43)	(47)	(50)
Intestine Small, Jejunum	(46)	(43)	(47)	(48)
Hyperplasia, Lymphoid	1 [2.0]	1 [2.0]	3 [2.0]	2 [3.0]
Epithelium, Hyperplasia				1 [2.0]
Liver	(50)	(50)	(50)	(50)
Angiectasis				1 [1.0]
Basophilic Focus	1	3	3	3
Clear Cell Focus	10	10	11	12
Cyst		1		1
Eosinophilic Focus	7	14	14	24
Fibrosis			1 [2.0]	
Hematopoietic Cell Proliferation		1 [2.0]	1 [2.0]	
Hemorrhage		1 [4.0]		
Hepatodiaphragmatic Nodule	1	1		
Infiltration Cellular, Lymphocyte	1 [1.0]	1 [2.0]	4 [1.5]	3 [1.0]
Infiltration Cellular, Mixed Cell	3 [1.0]	6 [1.2]	3 [1.0]	4 [1.0]
Mixed Cell Focus	1	7	9	6
Necrosis, Focal	2 [2.5]	3 [2.0]	5 [1.8]	6 [2.0]
Tension Lipidosis		1		
Bile Duct, Hyperplasia		1 [1.0]		
Hepatocyte, Hyperplasia, Focal			1 [4.0]	
Hepatocyte, Hypertrophy			1 [3.0]	
Hepatocyte, Vacuolization Cytoplasmic	6 [1.7]	11 [1.7]	15 [1.6]	7 [1.4]
Hepatocyte, Vacuolization Cytoplasmic,			1 [2.0]	

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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Lab: SRI

B6C3F1 MICE MALE	0 PPM	3000 PPM	9000 PPM	25000 PPM
Focal				
Kupffer Cell, Pigmentation	1 [1.0]	1 [1.0]	2 [2.0]	1 [2.0]
Mesentery	(6)	(3)	(12)	(1)
Fibrosis	1 [2.0]		1 [3.0]	1 [3.0]
Inflammation, Suppurative		1 [4.0]	1 [2.0]	
Fat, Necrosis	5 [2.4]	1 [2.0]	6 [2.7]	
Pancreas	(49)	(50)	(50)	(50)
Atrophy			1 [1.0]	
Cyst			1	
Infiltration Cellular, Lymphocyte				1 [2.0]
Acinus, Cytoplasmic Alteration	2 [2.5]	5 [2.8]		2 [3.0]
Acinus, Hyperplasia, Focal	1 [2.0]			
Salivary Glands	(50)	(50)	(50)	(50)
Infiltration Cellular, Lymphocyte	1 [2.0]	1 [1.0]	2 [1.0]	1 [2.0]
Stomach, Forestomach	(50)	(50)	(50)	(50)
Inflammation, Chronic	1 [3.0]			
Ulcer	1 [2.0]	2 [2.0]		
Epithelium, Hyperplasia	3 [2.3]	5 [2.2]	3 [2.3]	2 [2.0]
Stomach, Glandular	(50)	(50)	(50)	(50)
Cyst		5	3	1
Edema		1 [3.0]		
Erosion	1 [3.0]			4 [1.3]
Epithelium, Hyperplasia				1 [2.0]
Glands, Cyst	1			
<b>CARDIOVASCULAR SYSTEM</b>				
Heart	(50)	(50)	(50)	(50)
Cardiomyopathy	45 [1.4]	42 [1.3]	44 [1.5]	44 [1.4]
Thrombosis	1 [4.0]			
Artery, Inflammation, Chronic	1 [2.0]			
<b>ENDOCRINE SYSTEM</b>				
Adrenal Cortex	(50)	(50)	(50)	(50)
Accessory Adrenal Cortical Nodule		1 [2.0]	1 [2.0]	
Hypertrophy			3 [3.0]	
Hypertrophy, Focal	13 [1.3]	18 [1.6]	10 [1.6]	5 [1.8]
Capsule, Hyperplasia	39 [1.5]	37 [1.2]	41 [1.1]	37 [1.2]

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B6C3F1 MICE MALE	0 PPM	3000 PPM	9000 PPM	25000 PPM
Adrenal Medulla	(50)	(50)	(50)	(49)
Hyperplasia			1 [1.0]	
Islets, Pancreatic	(49)	(50)	(50)	(50)
Hyperplasia	4 [2.0]	12 [1.7]	11 [2.1]	4 [1.5]
Parathyroid Gland	(45)	(45)	(47)	(49)
Cyst			3	
Pituitary Gland	(50)	(49)	(49)	(50)
Pars Distalis, Cyst	2	2	1	3
Pars Distalis, Hyperplasia, Focal	2 [2.0]			1 [1.0]
Thyroid Gland	(50)	(50)	(50)	(50)
Follicle, Cyst		2	4	
Follicle, Degeneration, Focal	5 [2.0]	6 [1.2]	6 [1.3]	4 [1.8]
Follicular Cell, Hyperplasia				1 [2.0]

## GENERAL BODY SYSTEM

None

## GENITAL SYSTEM

Coagulating Gland	(0)	(1)	(0)	(0)
Inflammation, Suppurative		1 [3.0]		
Epididymis	(50)	(50)	(50)	(50)
Cyst		1		
Granuloma Sperm			1 [2.0]	
Preputial Gland	(50)	(50)	(50)	(50)
Atrophy			1 [3.0]	
Cyst	19	17	25	13
Hyperplasia		1 [2.0]	4 [2.0]	2 [2.0]
Inflammation, Suppurative	1 [4.0]	3 [2.7]	4 [3.3]	2 [3.0]
Inflammation, Chronic	1 [2.0]	4 [3.0]	3 [2.7]	2 [2.0]
Bilateral, Cyst			1	
Prostate	(50)	(50)	(50)	(50)
Inflammation, Suppurative		1 [3.0]		
Inflammation, Granulomatous			1 [1.0]	
Inflammation, Chronic		2 [2.0]		
Epithelium, Hyperplasia	2 [2.0]	1 [2.0]	1 [2.0]	3 [1.7]
Seminal Vesicle	(50)	(50)	(50)	(50)
Inflammation, Suppurative		1 [3.0]		

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B6C3F1 MICE MALE	0 PPM	3000 PPM	9000 PPM	25000 PPM
Testes	(50)	(50)	(50)	(50)
Germinal Epithelium, Atrophy	1 [3.0]		5 [2.4]	2 [2.5]
<b>HEMATOPOIETIC SYSTEM</b>				
Bone Marrow	(50)	(50)	(50)	(50)
Angiectasis	1 [2.0]			
Depletion Cellular		1 [2.0]		
Hyperplasia	6 [2.3]	17 [2.1]	14 [1.9]	14 [2.0]
Lymph Node	(2)	(5)	(2)	(2)
Bronchial, Hyperplasia				1 [3.0]
Iliac, Hemorrhage	1 [3.0]			
Pancreatic, Hemorrhage		1 [3.0]		
Renal, Hemorrhage		1 [2.0]		
Lymph Node, Mandibular	(46)	(46)	(50)	(49)
Atrophy			1 [2.0]	
Hyperplasia, Lymphoid		3 [3.0]	2 [2.0]	2 [2.5]
Lymph Node, Mesenteric	(48)	(44)	(49)	(48)
Atrophy		1 [3.0]		
Hemorrhage		1 [2.0]		
Hyperplasia, Histiocytic	2 [1.5]		1 [1.0]	1 [1.0]
Hyperplasia, Lymphoid	3 [2.7]	2 [2.5]	2 [2.5]	2 [2.5]
Hyperplasia, Plasma Cell			1 [4.0]	
Spleen	(50)	(49)	(50)	(50)
Atrophy		2 [3.0]	1 [2.0]	
Hematopoietic Cell Proliferation	23 [1.7]	33 [1.9]	27 [1.8]	20 [1.9]
Hyperplasia	2 [1.0]			1 [1.0]
Lymphoid Follicle, Hyperplasia	4 [2.3]	3 [2.0]	4 [1.8]	3 [2.3]
Thymus	(44)	(39)	(43)	(41)
Atrophy	3 [3.0]	8 [2.9]	1 [3.0]	2 [2.5]
Cyst			2	
Hyperplasia, Lymphoid		1 [2.0]		
Necrosis, Lymphoid				1 [3.0]
<b>INTEGUMENTARY SYSTEM</b>				
Skin	(50)	(50)	(50)	(50)
Cyst Epithelial Inclusion			1	
Inflammation, Chronic	1 [3.0]	1 [3.0]		

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B6C3F1 MICE MALE	0 PPM	3000 PPM	9000 PPM	25000 PPM
Ulcer		1 [3.0]		
Epidermis, Hyperplasia	1 [2.0]	1 [4.0]		
Hair Follicle, Cyst	1			
<b>MUSCULOSKELETAL SYSTEM</b>				
Bone	(50)	(50)	(50)	(50)
Cranium, Hyperostosis	1 [3.0]			
Maxilla, Fibrosis		1 [3.0]		
Skeletal Muscle	(0)	(1)	(3)	(0)
<b>NERVOUS SYSTEM</b>				
None				
<b>RESPIRATORY SYSTEM</b>				
Lung	(50)	(50)	(50)	(50)
Edema		1 [2.0]		
Fibrosis	1 [3.0]			
Infiltration Cellular, Histiocyte	2 [3.0]		1 [1.0]	2 [1.0]
Infiltration Cellular, Lymphocyte	3 [2.0]			1 [2.0]
Alveolar Epithelium, Hyperplasia	6 [1.8]	2 [2.5]	3 [1.7]	5 [1.8]
Nose	(50)	(50)	(50)	(50)
Inflammation, Suppurative			1 [2.0]	
Glands, Degeneration, Cystic		1 [2.0]		
Nasolacrimal Duct, Inflammation, Suppurative	1 [2.0]			
Trachea	(50)	(50)	(50)	(50)
<b>SPECIAL SENSES SYSTEM</b>				
Eye	(46)	(50)	(49)	(50)
Cataract			1 [1.0]	
Inflammation, Acute	1 [1.0]			
Cornea, Inflammation, Chronic		1 [2.0]		
Harderian Gland	(50)	(50)	(50)	(50)
Atrophy			1 [3.0]	

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B6C3F1 MICE MALE	0 PPM	3000 PPM	9000 PPM	25000 PPM
Hyperplasia	1 [2.0]			
Hyperplasia, Focal		1 [2.0]		1 [2.0]
Infiltration Cellular, Lymphocyte			1 [2.0]	
<b>URINARY SYSTEM</b>				
Kidney	(50)	(50)	(50)	(50)
Cyst	4	3	9	2
Glomerulosclerosis			1 [3.0]	
Hydronephrosis		1 [3.0]		
Infarct	2 [2.0]	4 [1.8]		1 [2.0]
Infiltration Cellular, Lymphocyte	1 [1.0]	2 [1.5]	2 [2.0]	2 [2.0]
Inflammation, Suppurative	1 [2.0]	1 [3.0]		
Metaplasia, Osseous	1 [2.0]	1 [2.0]	2 [1.5]	3 [1.7]
Nephropathy	42 [1.5]	43 [1.3]	46 [1.5]	48 [1.5]
Thrombosis	1 [2.0]			
Bilateral, Hydronephrosis		1 [4.0]		
Papilla, Inflammation, Suppurative			1 [2.0]	
Papilla, Necrosis		1 [2.0]		
Renal Tubule, Accumulation, Hyaline Droplet			1 [2.0]	
Renal Tubule, Pigmentation				2 [2.5]
Urinary Bladder	(49)	(50)	(50)	(50)
Calculus Gross Observation		1		
Hemorrhage				1 [2.0]
Infiltration Cellular, Lymphocyte		1 [2.0]	1 [2.0]	1 [1.0]
Inflammation, Chronic		1 [3.0]		
Transitional Epithelium, Hyperplasia		1 [3.0]		

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

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Lab: SRI

B6C3F1 MICE FEMALE	0 PPM	3000 PPM	9000 PPM	25000 PPM
<b>Disposition Summary</b>				
Animals Initially in Study	50	50	50	50
Early Deaths				
Moribund Sacrifice	4	2	2	3
Natural Death	1	4	12	4
Survivors				
Natural Death	1			
Terminal Sacrifice	44	44	36	43
Animals Examined Microscopically	50	50	50	50
<b>ALIMENTARY SYSTEM</b>				
Gallbladder	(48)	(46)	(39)	(47)
Inflammation, Chronic		1 [3.0]		
Intestine Large, Cecum	(48)	(46)	(41)	(47)
Cyst				1
Intestine Large, Rectum	(48)	(47)	(43)	(47)
Intestine Small, Ileum	(48)	(46)	(39)	(47)
Hyperplasia, Lymphoid	1 [2.0]			
Intestine Small, Jejunum	(48)	(46)	(43)	(48)
Hyperplasia, Lymphoid		1 [2.0]	2 [2.0]	
Inflammation, Suppurative			1 [1.0]	
Liver	(50)	(50)	(49)	(50)
Angiectasis				1 [1.0]
Basophilic Focus	1		3	1
Clear Cell Focus		2		2
Cyst			1	2
Eosinophilic Focus	3	3	2	4
Hematopoietic Cell Proliferation	3 [1.3]	2 [2.0]	2 [1.5]	1 [2.0]
Hepatodiaphragmatic Nodule				1
Infarct				1 [2.0]
Infiltration Cellular, Lymphocyte	24 [1.2]	24 [1.1]	26 [1.1]	21 [1.1]
Infiltration Cellular, Mixed Cell	7 [1.0]	9 [1.0]	10 [1.0]	6 [1.2]
Inflammation, Acute				1 [1.0]
Mixed Cell Focus		3	2	4
Necrosis, Focal	1 [1.0]	1 [1.0]		
Tension Lipidosis	3	1		

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B6C3F1 MICE FEMALE	0 PPM	3000 PPM	9000 PPM	25000 PPM
Capsule, Fibrosis			1 [2.0]	
Hepatocyte, Vacuolization Cytoplasmic	1 [2.0]	3 [1.7]	7 [1.9]	4 [2.0]
Kupffer Cell, Pigmentation				1 [2.0]
Mesentery	(10)	(6)	(9)	(2)
Hemorrhage	1 [2.0]		1 [4.0]	
Infiltration Cellular, Lymphocyte			1 [3.0]	
Fat, Necrosis	8 [2.0]	6 [2.2]	7 [2.3]	2 [2.5]
Pancreas	(48)	(48)	(47)	(50)
Atrophy	1 [3.0]	1 [1.0]		1 [2.0]
Cyst	1	1	1	1
Infiltration Cellular, Lymphocyte				2 [2.0]
Inflammation, Granulomatous, Chronic		1 [4.0]		
Acinus, Cytoplasmic Alteration	4 [1.5]	2 [1.0]	1 [1.0]	1 [2.0]
Artery, Inflammation			1 [3.0]	
Salivary Glands	(50)	(50)	(50)	(50)
Fibrosis	1 [2.0]	1 [2.0]	1 [2.0]	
Infiltration Cellular, Lymphocyte	2 [1.5]	2 [1.5]	5 [1.6]	3 [1.0]
Stomach, Forestomach	(49)	(50)	(48)	(50)
Cyst			2	
Edema		1 [3.0]		
Infiltration Cellular, Lymphocyte			1 [2.0]	1 [2.0]
Inflammation, Granulomatous, Chronic		1 [3.0]		
Inflammation, Chronic	1 [2.0]			
Ulcer		1 [3.0]	2 [2.0]	2 [2.0]
Epithelium, Hyperplasia		3 [2.0]	3 [2.0]	2 [2.0]
Stomach, Glandular	(49)	(49)	(48)	(50)
Cyst	7	4	2	6
Ulcer			1 [2.0]	
Glands, Ectasia				1 [2.0]
<b>CARDIOVASCULAR SYSTEM</b>				
Heart	(50)	(50)	(50)	(50)
Cardiomyopathy	39 [1.2]	38 [1.1]	37 [1.0]	33 [1.2]
Mineralization	1 [2.0]			
<b>ENDOCRINE SYSTEM</b>				
Adrenal Cortex	(50)	(50)	(48)	(50)

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B6C3F1 MICE FEMALE	0 PPM	3000 PPM	9000 PPM	25000 PPM
Accessory Adrenal Cortical Nodule	1 [2.0]			
Angiectasis		1 [3.0]	1 [3.0]	
Degeneration, Cystic	1 [1.0]		2 [3.0]	1 [4.0]
Degeneration, Fatty		1 [2.0]		
Hematopoietic Cell Proliferation	1 [1.0]			
Hyperplasia, Focal	1 [1.0]	1 [2.0]		
Hypertrophy, Focal	1 [3.0]	1 [3.0]		4 [2.0]
Inflammation, Granulomatous, Chronic		1 [2.0]		
Vacuolization Cytoplasmic				1 [2.0]
Capsule, Hyperplasia	49 [2.0]	50 [1.8]	47 [1.6]	49 [2.0]
Adrenal Medulla	(50)	(50)	(49)	(50)
Amyloid Deposition			1 [2.0]	
Hyperplasia	1 [2.0]	2 [1.0]	2 [1.0]	
Islets, Pancreatic	(48)	(49)	(48)	(50)
Hyperplasia	4 [2.0]	2 [1.5]	1 [2.0]	1 [2.0]
Parathyroid Gland	(45)	(44)	(48)	(47)
Cyst		1		1
Infiltration Cellular, Lymphocyte	1 [2.0]	1 [2.0]		
Pituitary Gland	(50)	(49)	(49)	(49)
Angiectasis	1 [1.0]	1 [1.0]	1 [3.0]	
Pars Distalis, Cyst			2	3
Pars Distalis, Hyperplasia, Focal	8 [1.8]	5 [1.8]	6 [1.2]	4 [1.8]
Thyroid Gland	(50)	(50)	(48)	(50)
Inflammation, Suppurative		1 [1.0]		
Follicle, Cyst		3	2	2
Follicle, Degeneration, Focal	18 [1.4]	18 [1.6]	16 [1.4]	10 [1.6]
Follicular Cell, Hyperplasia			1 [1.0]	1 [1.0]

## GENERAL BODY SYSTEM

None

## GENITAL SYSTEM

Clitoral Gland	(50)	(50)	(49)	(50)
Cyst	2	3	4	
Ovary	(49)	(48)	(50)	(50)
Angiectasis		1 [2.0]		
Cyst	10	14	10	12

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Lab: SRI

B6C3F1 MICE FEMALE	0 PPM	3000 PPM	9000 PPM	25000 PPM
Hemorrhage	10 [1.6]	6 [1.7]	7 [1.6]	5 [1.8]
Mineralization			1 [3.0]	
Pigmentation			1 [4.0]	
Thrombosis		1 [4.0]	1 [3.0]	
Bilateral, Cyst		1		1
Corpus Luteum, Hyperplasia	4 [2.3]	1 [2.0]		2 [2.5]
Granulosa Cell, Hyperplasia				2 [2.0]
Uterus	(50)	(49)	(50)	(50)
Fibrosis				1 [2.0]
Hyperplasia, Cystic	48 [2.5]	46 [2.4]	45 [2.3]	44 [2.4]
Infiltration Cellular, Histiocyte		1 [2.0]		
Inflammation, Suppurative	1 [3.0]			1 [2.0]
Inflammation, Granulomatous, Chronic		1 [4.0]		
Thrombosis		2 [2.5]	1 [3.0]	
Myometrium, Hypertrophy				1 [3.0]
<b>HEMATOPOIETIC SYSTEM</b>				
Bone Marrow	(49)	(50)	(50)	(50)
Depletion Cellular				1 [3.0]
Hyperplasia	2 [3.5]	2 [2.5]	1 [3.0]	2 [3.5]
Inflammation, Chronic			1 [2.0]	
Myelofibrosis	6 [1.7]	1 [3.0]	5 [2.6]	5 [1.6]
Lymph Node	(6)	(4)	(5)	(4)
Iliac, Hyperplasia, Lymphoid			1 [2.0]	
Pancreatic, Hyperplasia, Lymphoid	1 [3.0]		1 [2.0]	
Renal, Hyperplasia, Lymphoid	1 [2.0]		1 [2.0]	
Lymph Node, Mandibular	(50)	(49)	(48)	(49)
Hyperplasia, Lymphoid	6 [2.8]	2 [2.5]	4 [2.5]	7 [2.3]
Pigmentation	1 [2.0]			
Lymph Node, Mesenteric	(48)	(43)	(48)	(49)
Ectasia		3 [3.0]	3 [3.3]	2 [4.0]
Hyperplasia, Histiocytic	1 [1.0]	1 [1.0]	1 [1.0]	1 [1.0]
Hyperplasia, Lymphoid	4 [2.5]	1 [2.0]	3 [2.7]	4 [2.8]
Inflammation, Granulomatous, Chronic		1 [4.0]		
Spleen	(48)	(48)	(47)	(49)
Atrophy			1 [2.0]	
Hematopoietic Cell Proliferation	5 [3.0]	7 [2.4]	8 [2.5]	4 [2.8]
Lymphoid Follicle, Hyperplasia	24 [2.4]	26 [2.1]	18 [2.3]	22 [2.4]

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

Goldenseal root powder

Time Report Requested: 12:25:59

Route: DOSED FEED

CAS Number: GOLDENSEALRT

First Dose M/F: 05/12/03 / 05/12/03

Species/Strain: MICE/B6C3F1

Lab: SRI

B6C3F1 MICE FEMALE	0 PPM	3000 PPM	9000 PPM	25000 PPM
Thymus	(49)	(48)	(50)	(48)
Atrophy		1 [2.0]	1 [3.0]	
Hemorrhage	1 [2.0]			
Hyperplasia, Lymphoid	4 [2.5]	2 [2.5]	4 [1.8]	7 [2.3]
Necrosis, Lymphoid		1 [3.0]		
<b>INTEGUMENTARY SYSTEM</b>				
Mammary Gland	(49)	(49)	(48)	(50)
Cyst		1		
Hyperplasia		1 [2.0]		
Skin	(50)	(50)	(50)	(50)
Edema	1 [3.0]			
Mineralization				1 [2.0]
Pigmentation				1 [2.0]
Subcutaneous Tissue, Infiltration				1 [3.0]
Cellular, Lymphocyte				
<b>MUSCULOSKELETAL SYSTEM</b>				
Bone	(50)	(50)	(50)	(50)
Fracture			1 [3.0]	
Maxilla, Fibrosis				1 [3.0]
Skeletal Muscle	(1)	(1)	(2)	(0)
Necrosis			1 [2.0]	
<b>NERVOUS SYSTEM</b>				
Brain	(50)	(50)	(50)	(50)
Compression		1 [2.0]		
Hemorrhage			1 [2.0]	
<b>RESPIRATORY SYSTEM</b>				
Lung	(50)	(50)	(50)	(50)
Foreign Body			1 [1.0]	
Hemorrhage	2 [2.0]		2 [1.0]	1 [2.0]
Hyperplasia, Lymphoid				1 [3.0]

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Test Type: CHRONIC

Goldenseal root powder

Time Report Requested: 12:25:59

Route: DOSED FEED

CAS Number: GOLDENSEALRT

First Dose M/F: 05/12/03 / 05/12/03

Species/Strain: MICE/B6C3F1

Lab: SRI

B6C3F1 MICE FEMALE	0 PPM	3000 PPM	9000 PPM	25000 PPM
Infiltration Cellular, Histiocyte				1 [1.0]
Infiltration Cellular, Lymphocyte	7 [1.9]	2 [2.0]	1 [2.0]	2 [2.0]
Inflammation, Suppurative			1 [2.0]	
Inflammation, Chronic	1 [2.0]			
Metaplasia, Osseous	1 [1.0]			
Alveolar Epithelium, Hyperplasia	1 [1.0]	3 [2.0]	2 [2.0]	
Nose	(50)	(50)	(50)	(50)
Foreign Body			1 [2.0]	
Inflammation, Suppurative			1 [2.0]	
Glands, Degeneration, Cystic			2 [2.5]	1 [2.0]
Glands, Inflammation				1 [2.0]
Respiratory Epithelium, Hyperplasia				1 [1.0]
Trachea	(50)	(50)	(49)	(50)
Glands, Degeneration, Cystic				1 [3.0]
<b>SPECIAL SENSES SYSTEM</b>				
Eye	(49)	(47)	(41)	(46)
Atrophy	1 [2.0]			
Cornea, Inflammation, Suppurative	1 [3.0]			
Harderian Gland	(50)	(49)	(50)	(50)
Hyperplasia			1 [4.0]	
Hyperplasia, Focal	5 [1.8]	2 [1.5]	4 [1.5]	2 [1.5]
Inflammation, Chronic	1 [3.0]			
<b>URINARY SYSTEM</b>				
Kidney	(50)	(49)	(50)	(50)
Atrophy		1 [4.0]		
Casts Protein	2 [1.5]		1 [1.0]	
Cyst	1			
Hydronephrosis		1 [3.0]		
Infarct		1 [1.0]	3 [1.7]	
Infiltration Cellular, Lymphocyte	7 [2.1]	7 [1.6]	4 [1.8]	9 [1.4]
Metaplasia, Osseous	1 [1.0]	1 [2.0]	1 [2.0]	
Nephropathy	13 [1.1]	19 [1.1]	15 [1.0]	15 [1.1]
Renal Tubule, Accumulation, Hyaline Droplet				2 [2.5]
Renal Tubule, Dilatation		1 [1.0]		

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Test Type: CHRONIC

Goldenseal root powder

Time Report Requested: 12:25:59

Route: DOSED FEED

CAS Number: GOLDENSEALRT

First Dose M/F: 05/12/03 / 05/12/03

Species/Strain: MICE/B6C3F1

Lab: SRI

B6C3F1 MICE FEMALE	0 PPM	3000 PPM	9000 PPM	25000 PPM
Transitional Epithelium, Hyperplasia		1 [3.0]		
Urinary Bladder	(49)	(49)	(50)	(50)
Infiltration Cellular, Lymphocyte	7 [1.7]	6 [1.7]	5 [1.2]	3 [1.3]

\*\*\* END OF REPORT \*\*\*

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