

Experiment Number: 99007-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a)

Test Compound: Goldenseal root powder

CAS Number: GOLDENSEALRT

Date Report Requested: 10/16/2014

Time Report Requested: 02:33:44

First Dose M/F: NA / NA

Lab: SRI

C Number:	C99007B
Lock Date:	09/23/2002
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	NONE

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F 344/N Rat MALE	0 PPM	3125 PPM	6250 PPM	12500 PPM	25000 PPM	50000 PPM
Disposition Summary						
Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Survivors						
Terminal Sacrifice	10	10	10	10	10	10
Animals Examined Microscopically	10	10	10	10	10	10
ALIMENTARY SYSTEM						
Esophagus	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Cecum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Rectum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Duodenum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Ileum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Jejunum	(10)	(0)	(0)	(0)	(0)	(10)
Liver	(10)	(10)	(10)	(10)	(10)	(10)
Fatty Change	1 (10%)					
Hematopoietic Cell Proliferation, Focal	1 (10%)		3 (30%)	3 (30%)		3 (30%)
Hepatocyte, Hypertrophy			2 (20%)	9 (90%)	10 (100%)	10 (100%)
Hepatocyte, Vacuolization Cytoplasmic	1 (10%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)
Hepatodiaphragmatic Nodule		2 (20%)	2 (20%)		1 (10%)	
Inflammation, Chronic, Focal				1 (10%)	1 (10%)	
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
Acinus, Atrophy, Focal	2 (20%)					2 (20%)
Salivary Glands	(10)	(0)	(0)	(0)	(0)	(10)
Parotid Gl, Basophilic Focus, Multiple	7 (70%)					7 (70%)
Stomach, Forestomach	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Glandular	(10)	(0)	(0)	(0)	(0)	(10)
Tooth	(0)	(0)	(1)	(0)	(0)	(0)
Malformation			1 (100%)			

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

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CARDIOVASCULAR SYSTEM						
Heart	(10)	(0)	(0)	(0)	(0)	(10)
Cardiomyopathy, Focal	2 (20%)					3 (30%)
ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(0)	(0)	(0)	(0)	(10)
Adrenal Medulla	(10)	(0)	(0)	(0)	(0)	(10)
Parathyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)
Pituitary Gland	(10)	(0)	(0)	(0)	(0)	(10)
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)
Ultimobranchial Cyst	1 (10%)					3 (30%)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Epididymis	(10)	(0)	(0)	(0)	(0)	(10)
Preputial Gland	(10)	(0)	(0)	(0)	(0)	(10)
Duct, Ectasia	1 (10%)					
Prostate	(10)	(0)	(0)	(0)	(0)	(10)
Seminal Vesicle	(10)	(0)	(0)	(0)	(0)	(10)
Testes	(10)	(1)	(0)	(0)	(0)	(10)
Atrophy		1 (100%)				
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(0)	(0)	(0)	(0)	(10)
Lymph Node	(0)	(0)	(1)	(0)	(0)	(0)
Mediastinal, Hyperplasia, Lymphoid			1 (100%)			
Lymph Node, Mandibular	(1)	(0)	(0)	(0)	(0)	(0)
Hemorrhage	1 (100%)					
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(0)	(10)
Spleen	(10)	(0)	(1)	(0)	(0)	(10)

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F 344/N Rat MALE	0 PPM	3125 PPM	6250 PPM	12500 PPM	25000 PPM	50000 PPM
Accessory Spleen			1 (100%)			
Thymus	(10)	(0)	(0)	(0)	(0)	(10)
INTEGUMENTARY SYSTEM						
Mammary Gland	(8)	(0)	(0)	(0)	(0)	(10)
Skin	(10)	(0)	(0)	(0)	(0)	(10)
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(0)	(0)	(0)	(0)	(10)
NERVOUS SYSTEM						
Brain	(10)	(0)	(0)	(0)	(0)	(10)
RESPIRATORY SYSTEM						
Lung	(10)	(0)	(0)	(0)	(0)	(10)
Alveolus, Infiltration Cellular, Histiocyte, Focal						1 (10%)
Hemorrhage	1 (10%)					
Inflammation, Chronic, Focal						1 (10%)
Nose	(10)	(0)	(0)	(0)	(0)	(10)
Trachea	(10)	(0)	(0)	(0)	(0)	(10)
SPECIAL SENSES SYSTEM						
Eye	(10)	(0)	(0)	(1)	(0)	(10)
Atrophy				1 (100%)		
Harderian Gland	(10)	(0)	(0)	(0)	(0)	(10)
Infiltration Cellular, Lymphocyte						1 (10%)
URINARY SYSTEM						
Kidney	(10)	(0)	(1)	(0)	(0)	(10)
Nephropathy	3 (30%)					1 (10%)
Urinary Bladder	(10)	(0)	(0)	(0)	(0)	(10)

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END OF MALE DATA

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Disposition Summary						
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Early Deaths						
Survivors						
Terminal Sacrifice	10	10	10	10	10	10
Animals Examined Microscopically	10	10	10	10	10	10
ALIMENTARY SYSTEM						
Esophagus	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Cecum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Rectum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Duodenum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Ileum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Jejunum	(10)	(0)	(0)	(0)	(0)	(10)
Liver	(10)	(10)	(10)	(10)	(10)	(10)
Hepatocyte, Hypertrophy			3 (30%)	10 (100%)	10 (100%)	10 (100%)
Hepatodiaphragmatic Nodule	1 (10%)			2 (20%)		
Infiltration Cellular, Lymphocyte, Focal	1 (10%)					
Inflammation, Chronic, Focal	1 (10%)		2 (20%)	1 (10%)		1 (10%)
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
Salivary Glands	(10)	(0)	(0)	(0)	(0)	(10)
Parotid G1, Basophilic Focus, Multiple	1 (10%)					6 (60%)
Stomach, Forestomach	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Glandular	(10)	(0)	(0)	(0)	(0)	(10)
Infiltration Cellular, Lymphocyte, Focal						1 (10%)
CARDIOVASCULAR SYSTEM						
Heart	(10)	(0)	(0)	(0)	(0)	(10)
Cardiomyopathy, Focal						1 (10%)

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ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(0)	(0)	(0)	(0)	(10)
Accessory Adrenal Cortical Nodule	1 (10%)					
Hyperplasia, Focal						1 (10%)
Adrenal Medulla	(10)	(0)	(0)	(0)	(0)	(10)
Parathyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)
Pituitary Gland	(10)	(0)	(0)	(0)	(0)	(10)
Rathkes Cleft, Cyst						1 (10%)
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)
Ultimobranchial Cyst	2 (20%)					2 (20%)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Clitoral Gland	(10)	(0)	(0)	(0)	(0)	(10)
Ovary	(10)	(0)	(0)	(1)	(1)	(10)
Cyst				1 (100%)	1 (100%)	1 (10%)
Uterus	(10)	(0)	(0)	(0)	(0)	(10)
Cervix, Cyst						1 (10%)
Hydrometra	3 (30%)					
Vagina	(0)	(0)	(1)	(0)	(0)	(0)
Cyst			1 (100%)			
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(0)	(0)	(0)	(0)	(10)
Lymph Node	(2)	(0)	(0)	(0)	(0)	(0)
Pancreatic, Hemorrhage	2 (100%)					
Pancreatic, Infiltration Cellular, Histiocyte	1 (50%)					
Lymph Node, Mandibular	(2)	(0)	(0)	(0)	(0)	(0)
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(0)	(10)

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Spleen	(10)	(0)	(0)	(0)	(0)	(10)
Thymus	(10)	(0)	(0)	(0)	(0)	(10)
INTEGUMENTARY SYSTEM						
Mammary Gland	(10)	(0)	(0)	(0)	(0)	(10)
Skin	(10)	(0)	(0)	(0)	(0)	(10)
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(0)	(0)	(0)	(0)	(10)
NERVOUS SYSTEM						
Brain	(10)	(0)	(0)	(0)	(0)	(10)
RESPIRATORY SYSTEM						
Lung	(10)	(0)	(1)	(0)	(0)	(10)
Alveolus, Infiltration Cellular, Histiocyte, Focal						1 (10%)
Hemorrhage			1 (100%)			
Perivascular, Edema			1 (100%)			
Nose	(10)	(0)	(0)	(0)	(0)	(10)
Trachea	(10)	(0)	(0)	(0)	(0)	(10)
SPECIAL SENSES SYSTEM						
Eye	(10)	(0)	(0)	(0)	(0)	(10)
Harderian Gland	(10)	(0)	(0)	(0)	(0)	(10)
URINARY SYSTEM						
Kidney	(10)	(0)	(0)	(0)	(0)	(10)
Nephropathy	1 (10%)					
Urinary Bladder	(10)	(0)	(0)	(0)	(0)	(10)

** END OF REPORT **

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