

Experiment Number: 99031-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

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

Test Compound: Ginkgo biloba extract
CAS Number: 90045-36-6

Date Report Requested: 10/22/2014
Time Report Requested: 18:38:42
First Dose M/F: NA / NA
Lab: BAT

C Number: C99031
Lock Date: 10/07/2004
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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Lab: BAT

F 344/N Rat MALE	0	MG/KG	62.5	MG/KG	125	MG/KG	250	MG/KG	500	MG/KG	1000	MG/KG
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)	
Parasite Metazoan	1 (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)	
Bile Duct, Hyperplasia											1 (10%)	
Hepatocyte, Fatty Change			10 (100%)		10 (100%)		10 (100%)		10 (100%)		10 (100%)	
Hepatocyte, Hypertrophy			10 (100%)		10 (100%)		10 (100%)		10 (100%)		10 (100%)	
Hepatodiaphragmatic Nodule	1 (10%)										1 (10%)	
Inflammation, Chronic	5 (50%)		6 (60%)		8 (80%)		9 (90%)		9 (90%)		6 (60%)	
Necrosis							1 (10%)					
Pancreas	(10)		(0)		(0)		(0)		(0)		(10)	
Acinus, Atrophy	1 (10%)											
Infiltration Cellular, Lymphocyte	3 (30%)											
Salivary Glands	(10)		(0)		(0)		(0)		(0)		(10)	
Stomach, Forestomach	(10)		(0)		(0)		(0)		(0)		(10)	
Stomach, Glandular	(10)		(0)		(0)		(0)		(0)		(10)	
Inflammation, Chronic	1 (10%)										1 (10%)	

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

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Lab: BAT

F 344/N Rat MALE	0	MG/KG	62.5	MG/KG	125	MG/KG	250	MG/KG	500	MG/KG	1000	MG/KG
CARDIOVASCULAR SYSTEM												
Blood Vessel	(10)		(0)		(0)		(0)		(0)		(10)	
Heart	(10)		(0)		(0)		(0)		(0)		(10)	
Cardiomyopathy	10 (100%)										7 (70%)	
ENDOCRINE SYSTEM												
Adrenal Cortex	(10)		(10)		(10)		(10)		(10)		(10)	
Vacuolization Cytoplasmic	10 (100%)		10 (100%)		10 (100%)		10 (100%)		10 (100%)		10 (100%)	
Adrenal Medulla	(10)		(0)		(0)		(0)		(0)		(10)	
Islets, Pancreatic	(10)		(0)		(0)		(0)		(0)		(10)	
Parathyroid Gland	(8)		(0)		(0)		(0)		(0)		(10)	
Pituitary Gland	(10)		(0)		(0)		(0)		(0)		(10)	
Thyroid Gland	(10)		(10)		(10)		(10)		(10)		(10)	
Follicular Cel, Hypertrophy			2 (20%)				3 (30%)		10 (100%)		10 (100%)	
GENERAL BODY SYSTEM												
None												
GENITAL SYSTEM												
Epididymis	(10)		(0)		(0)		(0)		(0)		(10)	
Preputial Gland	(10)		(0)		(0)		(0)		(0)		(10)	
Prostate	(10)		(0)		(0)		(0)		(0)		(10)	
Seminal Vesicle	(10)		(0)		(0)		(0)		(0)		(10)	
Testes	(10)		(0)		(0)		(0)		(0)		(10)	
HEMATOPOIETIC SYSTEM												
Bone Marrow	(10)		(0)		(0)		(0)		(0)		(10)	
Lymph Node, Mesenteric	(10)		(0)		(0)		(0)		(0)		(10)	
Spleen	(10)		(0)		(0)		(0)		(0)		(10)	
Thymus	(10)		(0)		(0)		(0)		(0)		(10)	
INTEGUMENTARY SYSTEM												

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

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Test Type: 90-DAY

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Species/Strain: Rat/F 344/N

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Time Report Requested: 18:38:42

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat MALE	0	MG/KG	62.5	MG/KG	125	MG/KG	250	MG/KG	500	MG/KG	1000	MG/KG
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)		(0)		(0)		(0)		(10)	
Alveolar Epith, Hyperplasia, Focal	5 (50%)										1 (10%)	
Alveolus, Infiltration Cellular, Histiocyte, Focal	6 (60%)										2 (20%)	
Interstitialium, Inflammation											1 (10%)	
Metaplasia, Osseous	1 (10%)										1 (10%)	
Nose	(10)		(10)		(10)		(10)		(10)		(10)	
Foreign Body			1 (10%)				1 (10%)					
Goblet Cell, Hyperplasia			1 (10%)		1 (10%)							
Goblet Cell, Respirat Epith, Hyperplasia			1 (10%)				1 (10%)		2 (20%)			
Inflammation, Acute	1 (10%)											
Inflammation, Chronic			1 (10%)								1 (10%)	
Inflammation, Chronic Active							1 (10%)					
Olfactory Epi, Metaplasia, Respiratory	1 (10%)								1 (10%)			
Olfactory Epi, Pigmentation									5 (50%)		7 (70%)	
Respirat Epith, Hyperplasia			1 (10%)		1 (10%)							
Transit Epithe, Hyperplasia							1 (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)	
Infiltration Cellular, Lymphocyte	1 (10%)											

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F 344/N Rat MALE	0	MG/KG	62.5	MG/KG	125	MG/KG	250	MG/KG	500	MG/KG	1000	MG/KG
URINARY SYSTEM												
Kidney	(10)		(10)		(10)		(10)		(10)		(10)	
Mineralization	5 (50%)										4 (40%)	
Nephropathy	7 (70%)		7 (70%)		7 (70%)		6 (60%)		6 (60%)		8 (80%)	
Renal Tubule, Accumulation, Hyaline Droplet					1 (10%)							
Urinary Bladder	(10)		(0)		(0)		(0)		(0)		(10)	

END OF MALE DATA

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Lab: BAT

F 344/N Rat FEMALE	0	MG/KG	62.5	MG/KG	125	MG/KG	250	MG/KG	500	MG/KG	1000	MG/KG
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)	
Muscularis, Inflammation, Chronic											2 (20%)	
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			1 (10%)						9 (90%)		10 (100%)	
Hepatodiaphragmatic Nodule	1 (10%)		1 (10%)				1 (10%)		1 (10%)			
Inflammation, Chronic	5 (50%)		6 (60%)		7 (70%)		5 (50%)		8 (80%)		6 (60%)	
Pancreas	(10)		(0)		(0)		(0)		(0)		(10)	
Infiltration Cellular, Lymphocyte	2 (20%)										1 (10%)	
Inflammation, Chronic	1 (10%)											
Salivary Glands	(10)		(0)		(0)		(0)		(0)		(10)	
Stomach, Forestomach	(10)		(0)		(0)		(0)		(0)		(10)	
Stomach, Glandular	(10)		(0)		(0)		(0)		(0)		(10)	
CARDIOVASCULAR SYSTEM												
Blood Vessel	(10)		(0)		(0)		(0)		(0)		(10)	
Heart	(10)		(0)		(0)		(0)		(0)		(10)	
Cardiomyopathy	3 (30%)										6 (60%)	

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Lab: BAT

F 344/N Rat FEMALE	0	MG/KG	62.5	MG/KG	125	MG/KG	250	MG/KG	500	MG/KG	1000	MG/KG
ENDOCRINE SYSTEM												
Adrenal Cortex	(10)		(0)		(0)		(0)		(0)		(10)	
Adrenal Medulla	(10)		(0)		(0)		(0)		(0)		(10)	
Islets, Pancreatic	(10)		(0)		(0)		(0)		(0)		(10)	
Parathyroid Gland	(10)		(0)		(0)		(0)		(0)		(9)	
Pituitary Gland	(10)		(0)		(0)		(0)		(0)		(10)	
Thyroid Gland	(10)		(10)		(10)		(10)		(10)		(10)	
Cyst	1	(10%)										
Ectopic Thymus	2	(20%)										
Follicular Cel, Hypertrophy									3	(30%)	5	(50%)
GENERAL BODY SYSTEM												
None												
GENITAL SYSTEM												
Clitoral Gland	(10)		(0)		(0)		(0)		(0)		(10)	
Ovary	(10)		(0)		(0)		(0)		(0)		(10)	
Uterus	(10)		(0)		(0)		(0)		(0)		(10)	
Endometrium, Hyperplasia, Cystic	2	(20%)									1	(10%)
HEMATOPOIETIC SYSTEM												
Bone Marrow	(10)		(0)		(0)		(0)		(0)		(10)	
Lymph Node, Mesenteric	(10)		(0)		(0)		(0)		(0)		(10)	
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)	

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Lab: BAT

F 344/N Rat FEMALE	0	MG/KG	62.5	MG/KG	125	MG/KG	250	MG/KG	500	MG/KG	1000	MG/KG
NERVOUS SYSTEM												
Brain	(10)		(0)		(0)		(0)		(0)		(10)	
RESPIRATORY SYSTEM												
Lung	(10)		(0)		(0)		(0)		(0)		(10)	
Alveolar Epith, Hyperplasia, Focal	1 (10%)										3 (30%)	
Alveolus, Infiltration Cellular, Histiocyte, Focal	3 (30%)										2 (20%)	
Infiltration Cellular, Histiocyte, Focal											1 (10%)	
Metaplasia, Osseous	1 (10%)											
Pigmentation, Hemosiderin	1 (10%)										1 (10%)	
Nose	(10)		(10)		(10)		(10)		(10)		(10)	
Foreign Body	2 (20%)											
Glands, Goblet Cell, Hyperplasia											1 (10%)	
Inflammation, Chronic	2 (20%)										1 (10%)	
Inflammation, Chronic Active					1 (10%)				1 (10%)		2 (20%)	
Olfactory Epi, Atrophy					1 (10%)				3 (30%)		3 (30%)	
Olfactory Epi, Metaplasia, Respiratory	1 (10%)		1 (10%)									
Olfactory Epi, Pigmentation					5 (50%)		5 (50%)		9 (90%)		7 (70%)	
Respirat Epith, Hyperplasia	2 (20%)				1 (10%)							
Transit Epithe, Hyperplasia	1 (10%)								1 (10%)		1 (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)	
Infiltration Cellular, Lymphocyte											1 (10%)	
URINARY SYSTEM												
Kidney	(10)		(0)		(0)		(0)		(0)		(10)	
Mineralization	6 (60%)										5 (50%)	
Nephropathy	1 (10%)										2 (20%)	

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First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat FEMALE	0	MG/KG	62.5	MG/KG	125	MG/KG	250	MG/KG	500	MG/KG	1000	MG/KG
Urinary Bladder	(10)		(0)		(0)		(0)		(0)		(10)	

**** END OF REPORT ****