NTP Study Number:	C99031
Lock Date:	10/07/2004
Cage Range:	ALL
Date Range:	ALL
Reasons For Removal:	ALL
Removal Date Range:	ALL
Treatment Groups:	Include ALL
Study Gender:	Both
TDMSE Version:	3.0.2.3_002
PWG Approval Date:	NONE

FISCHER 344 RATS 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)
Hepatodiaphragmatic Nodule	1 (10%)					1 (10%)
Inflammation, Chronic	5 (50%)	6 (60%)	8 (80%)	9 (90%)	9 (90%)	6 (60%)
Necrosis				1 (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%)
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
Infiltration Cellular, Lymphocyte	3 (30%)					
Acinus, Atrophy	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)
Inflammation, Chronic	1 (10%)					1 (10%)
CARDIOVASCULAR SYSTEM						

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

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

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE(a)
Ginkgo biloba extract
CAS Number: 90045-36-6

Date Report Requested: 09/12/2016
Time Report Requested: 13:16:44
First Dose M/F: 02/09/04 / 02/10/04
Lab: BAT

FISCHER 344 RATS MALE	0 MG/KG	62.5 MG/KG	125 MG/KG	250 MG/KG	500 MG/KG	1000 MG/KG
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 Cell, 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)

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

FISCHER 344 RATS MALE	0 MG/KG	62.5 MG/KG	125 MG/KG	250 MG/KG	500 MG/KG	1000 MG/KG
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)	(0)	(0)	(0)	(10)
Metaplasia, Osseous	1 (10%)					1 (10%)
Alveolar Epithelium, Hyperplasia, Focal	5 (50%)					1 (10%)
Alveolus, Infiltration Cellular, Histiocyte, Focal	6 (60%)					2 (20%)
Interstitium, Inflammation						1 (10%)
Nose	(10)	(10)	(10)	(10)	(10)	(10)
Foreign Body		1 (10%)		1 (10%)		
Inflammation, Acute	1 (10%)					
Inflammation, Chronic		1 (10%)				1 (10%)
Inflammation, Chronic Active				1 (10%)		
Goblet Cell, Hyperplasia		1 (10%)	1 (10%)			
Goblet Cell, Respiratory Epithelium, Hyperplasia		1 (10%)		1 (10%)	2 (20%)	
Olfactory Epithelium, Metaplasia, Respiratory	1 (10%)				1 (10%)	
Olfactory Epithelium, Pigmentation					5 (50%)	7 (70%)
Respiratory Epithelium, Hyperplasia		1 (10%)	1 (10%)			
Transitional Epithelium, Hyperplasia				1 (10%)		
Trachea	(10)	(0)	(0)	(0)	(0)	(10)

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

FISCHER 344 RATS MALE	0 MG/KG	62.5 MG/KG	125 MG/KG	250 MG/KG	500 MG/KG	1000 MG/KG
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)	(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 ***

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

FISCHER 344 RATS 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)
Hepatodiaphragmatic Nodule	1 (10%)	1 (10%)		1 (10%)	1 (10%)	
Inflammation, Chronic	5 (50%)	6 (60%)	7 (70%)	5 (50%)	8 (80%)	6 (60%)
Hepatocyte, Hypertrophy		1 (10%)			9 (90%)	10 (100%)
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%)

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

FISCHER 344 RATS 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 Cell, 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)

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

FISCHER 344 RATS FEMALE	0 MG/KG	62.5 MG/KG	125 MG/KG	250 MG/KG	500 MG/KG	1000 MG/KG
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)
Infiltration Cellular, Histiocyte, Focal						1 (10%)
Metaplasia, Osseous	1 (10%)					
Pigmentation, Hemosiderin	1 (10%)					1 (10%)
Alveolar Epithelium, Hyperplasia, Focal	1 (10%)					3 (30%)
Alveolus, Infiltration Cellular, Histiocyte, Focal	3 (30%)					2 (20%)
Nose	(10)	(10)	(10)	(10)	(10)	(10)
Foreign Body	2 (20%)					
Inflammation, Chronic	2 (20%)					1 (10%)
Inflammation, Chronic Active			1 (10%)		1 (10%)	2 (20%)
Glands, Goblet Cell, Hyperplasia						1 (10%)
Olfactory Epithelium, Atrophy			1 (10%)		3 (30%)	3 (30%)
Olfactory Epithelium, Metaplasia, Respiratory	1 (10%)	1 (10%)				
Olfactory Epithelium, Pigmentation			5 (50%)	5 (50%)	9 (90%)	7 (70%)
Respiratory Epithelium, Hyperplasia	2 (20%)		1 (10%)			
Transitional Epithelium, Hyperplasia	1 (10%)				1 (10%)	1 (10%)
Trachea	(10)	(0)	(0)	(0)	(0)	(10)
SPECIAL SENSES SYSTEM						
Eye	(10)	(0)	(0)	(0)	(0)	(10)

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

FISCHER 344 RATS FEMALE	0 MG/KG	62.5 MG/KG	125 MG/KG	250 MG/KG	500 MG/KG	1000 MG/KG
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%)
Urinary Bladder	(10)	(0)	(0)	(0)	(0)	(10)

*** END OF REPORT ***

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