

**Experiment Number:** 20005-03  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)**

**Test Compound:** Ginseng  
**CAS Number:** 50647-08-0

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 13:01:08  
**First Dose M/F:** NA / NA  
**Lab:** BAT

<b>C Number:</b>	C20005
<b>Lock Date:</b>	10/28/2003
<b>Cage Range:</b>	All
<b>Date Range:</b>	All
<b>Reasons For Removal:</b>	All
<b>Removal Date Range:</b>	All
<b>Treatment Groups:</b>	All
<b>Study Gender:</b>	Both
<b>PWG Approval Date</b>	NONE

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Lab: BAT

F 344/N Rat MALE	0	MG/KG	1000	MG/KG	2000	MG/KG	3000	MG/KG	4000	MG/KG	5000	MG/KG
<b>Disposition Summary</b>												
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		1						2		10	
<b>ALIMENTARY SYSTEM</b>												
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)		(1)		(0)		(0)		(2)		(10)	
Pancreas	(10)		(0)		(0)		(0)		(0)		(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)	
<b>CARDIOVASCULAR SYSTEM</b>												
Blood Vessel	(10)		(0)		(0)		(0)		(0)		(10)	
Heart	(10)		(0)		(0)		(0)		(0)		(10)	
<b>ENDOCRINE SYSTEM</b>												
Adrenal Cortex	(10)		(0)		(0)		(0)		(0)		(10)	
Adrenal Medulla	(10)		(0)		(0)		(0)		(0)		(10)	
Parathyroid Gland	(8)		(0)		(0)		(0)		(0)		(9)	

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

b - Primary tumors: all tumors except metastatic tumors

\* Number of animals with any tissue examined microscopically

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Lab: BAT

F 344/N Rat MALE	0	MG/KG	1000	MG/KG	2000	MG/KG	3000	MG/KG	4000	MG/KG	5000	MG/KG
Pituitary Gland	(10)		(0)		(0)		(0)		(0)		(10)	
Thyroid Gland	(10)		(0)		(0)		(0)		(0)		(10)	
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												
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)	
Nose	(10)		(0)		(0)		(0)		(0)		(10)	

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\* Number of animals with any tissue examined microscopically

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First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat MALE	0	MG/KG	1000	MG/KG	2000	MG/KG	3000	MG/KG	4000	MG/KG	5000	MG/KG
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)	
Urinary Bladder	(10)		(0)		(0)		(0)		(0)		(10)	

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

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\* Number of animals with any tissue examined microscopically

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**First Dose M/F:** NA / NA  
**Lab:** BAT

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**F 344/N Rat MALE**

**0 MG/KG**

**1000 MG/KG**

**2000 MG/KG**

**3000 MG/KG**

**4000 MG/KG**

**5000 MG/KG**

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**Tumor Summary for MALE**

**Total Animals with Primary Neoplasms (b)**

**Total Primary Neoplasms**

**Total Animals with Benign Neoplasms**

**Total Benign Neoplasms**

**Total Animals with Malignant Neoplasms**

**Total Malignant Neoplasms**

**Total Animals with Metastatic Neoplasms**

**Total Metastatic Neoplasms**

**Total Animals with Malignant Neoplasms**

**Uncertain Primary Site**

**Total Animals with Neoplasms Uncertain -**

**Benign or Malignant**

**Total Uncertain Neoplasms**

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

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

b - Primary tumors: all tumors except metastatic tumors

\* Number of animals with any tissue examined microscopically

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Route: GAVAGE

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Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat FEMALE	0	MG/KG	1000	MG/KG	2000	MG/KG	3000	MG/KG	4000	MG/KG	5000	MG/KG
<b>Disposition Summary</b>												
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		3		1		3		2		10	
<b>ALIMENTARY SYSTEM</b>												
Esophagus	(10)		(0)		(0)		(1)		(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)		(1)		(1)		(2)		(1)		(10)	
Pancreas	(10)		(0)		(0)		(0)		(0)		(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)	
<b>CARDIOVASCULAR SYSTEM</b>												
Blood Vessel	(10)		(0)		(0)		(0)		(0)		(10)	
Heart	(10)		(0)		(0)		(0)		(0)		(10)	
<b>ENDOCRINE SYSTEM</b>												
Adrenal Cortex	(10)		(0)		(0)		(0)		(0)		(10)	
Adrenal Medulla	(10)		(0)		(0)		(0)		(0)		(10)	
Parathyroid Gland	(9)		(0)		(0)		(0)		(0)		(9)	

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

b - Primary tumors: all tumors except metastatic tumors

\* Number of animals with any tissue examined microscopically

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Lab: BAT

F 344/N Rat FEMALE	0	MG/KG	1000	MG/KG	2000	MG/KG	3000	MG/KG	4000	MG/KG	5000	MG/KG
Pituitary Gland	(10)		(0)		(0)		(0)		(0)		(10)	
Thyroid Gland	(10)		(0)		(0)		(0)		(0)		(10)	
GENERAL BODY SYSTEM												
None												
GENITAL SYSTEM												
Clitoral Gland	(10)		(0)		(0)		(0)		(0)		(10)	
Ovary	(10)		(2)		(0)		(1)		(1)		(10)	
Uterus	(10)		(0)		(0)		(1)		(0)		(10)	
HEMATOPOIETIC SYSTEM												
Bone Marrow	(10)		(0)		(0)		(0)		(0)		(10)	
Lymph Node	(0)		(0)		(0)		(0)		(0)		(1)	
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)	
NERVOUS SYSTEM												
Brain	(10)		(0)		(0)		(0)		(0)		(10)	
RESPIRATORY SYSTEM												
Lung	(10)		(0)		(0)		(0)		(0)		(10)	
Nose	(10)		(0)		(0)		(0)		(0)		(10)	
Trachea	(10)		(0)		(0)		(0)		(0)		(10)	

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

b - Primary tumors: all tumors except metastatic tumors

\* Number of animals with any tissue examined microscopically

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Species/Strain: Rat/F 344/N

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First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat FEMALE	0	MG/KG	1000	MG/KG	2000	MG/KG	3000	MG/KG	4000	MG/KG	5000	MG/KG
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)	
Urinary Bladder	(10)		(0)		(0)		(0)		(0)		(10)	

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

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F 344/N Rat FEMALE	0	MG/KG	1000	MG/KG	2000	MG/KG	3000	MG/KG	4000	MG/KG	5000	MG/KG
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**Tumor Summary for FEMALE**

**Total Animals with Primary Neoplasms (b)**

**Total Primary Neoplasms**

**Total Animals with Benign Neoplasms**

**Total Benign Neoplasms**

**Total Animals with Malignant Neoplasms**

**Total Malignant Neoplasms**

**Total Animals with Metastatic Neoplasms**

**Total Metastatic Neoplasms**

**Total Animals with Malignant Neoplasms  
Uncertain Primary Site**

**Total Animals with Neoplasms Uncertain -  
Benign or Malignant**

**Total Uncertain Neoplasms**

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

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

b - Primary tumors: all tumors except metastatic tumors

\* Number of animals with any tissue examined microscopically