Experiment Number: 99007-01
Test Type: 14-DAY
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS ABRIDGED) (a)

Test Compound: Goldenseal root powder
CAS Number: GOLDENSEALRT

Date Report Requested: 10/21/2014
Time Report Requested: 18:15:30
First Dose M/F: NA / NA
Lab: MBA

C Number: C99007
Lock Date: 10/11/2001
Cage Range: All
Date Range: All
Reasons For Removal: All
Removal Date Range: All
Treatment Groups: All
Study Gender: Both
PWG Approval Date: NONE
### Disposition Summary

<table>
<thead>
<tr>
<th></th>
<th>VEHICLE CONTROL</th>
<th>1560 PPM</th>
<th>3121 PPM</th>
<th>6250 PPM</th>
<th>12500 PPM</th>
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<tbody>
<tr>
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<td>Early Deaths</td>
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<tr>
<td>Survivors</td>
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<tr>
<td>Terminal Sacrifice</td>
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</table>

**ALIMENTARY SYSTEM**

- Liver: (5) (0) (1) (0) (5) (5)

**CARDIOVASCULAR SYSTEM**

- None

**ENDOCRINE SYSTEM**

- None

**GENERAL BODY SYSTEM**

- None

**GENITAL SYSTEM**

- None

**HEMATopoIETIC SYSTEM**

- None

**INTEGUMENTARY SYSTEM**

- None

**MUSCULOSKELETAL SYSTEM**

- None

**NERVOUS SYSTEM**

- None

---

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
<table>
<thead>
<tr>
<th>F 344/N Rat MALE</th>
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<td>URINARY SYSTEM</td>
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- Number of animals examined microscopically at site and number of animals with lesion
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Experiment Number: 99007-01  
Test Type: 14-DAY  
Route: DOSED FEED  
Species/Strain: Rat/F 344/N  

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P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS ABRIDGED) (a)  
Test Compound: Goldenseal root powder  
CAS Number: GOLDENSEALRT  

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Date Report Requested: 10/21/2014  
Time Report Requested: 18:15:30  
First Dose M/F: NA / NA  
Lab: MBA  

---

F 344/N Rat MALE  
50000 PPM  

Disposition Summary  

Animals Initially In Study 5  
Early Deaths  
Survivors  
Terminal Sacrifice 5  
Animals Examined Microscopically 5  

ALIMENTARY SYSTEM  
Liver (5)  

CARDIOVASCULAR SYSTEM  
None  

ENDOCRINE SYSTEM  
None  

GENERAL BODY SYSTEM  
None  

GENITAL SYSTEM  
None  

HEMATOPOIETIC SYSTEM  
None  

INTEGUMENTARY SYSTEM  
None  

MUSCULOSKELETAL SYSTEM  
None  

NERVOUS SYSTEM  
None  

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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
F 344/N Rat MALE  50000  PPM

RESPIRATORY SYSTEM  
None

SPECIAL SENSES SYSTEM  
None

URINARY SYSTEM  
None

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
## Tumor Summary for MALE

<table>
<thead>
<tr>
<th>Total Animals with Primary Neoplasms (b)</th>
<th>Total Primary Neoplasms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Animals with Benign Neoplasms</td>
<td>Total Benign Neoplasms</td>
</tr>
<tr>
<td>Total Animals with Malignant Neoplasms</td>
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<td>Total Animals with Malignant Neoplasms Uncertain Primary Site</td>
<td></td>
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<tr>
<td>Total Animals with Neoplasms Uncertain - Benign or Malignant</td>
<td>Total Uncertain Neoplasms</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>F 344/N Rat MALE VEHICLE CONTROL 1560 PPM 3121 PPM 6250 PPM 12500 PPM 25000 PPM</th>
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</thead>
</table>
| a - Number of animals examined microscopically at site and number of animals with lesion  
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**Tumor Summary for MALE**

<table>
<thead>
<tr>
<th>Category</th>
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<tbody>
<tr>
<td>Total Animals with Primary Neoplasms (b)</td>
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***END OF MALE DATA***
Experiment Number: 99007-01  
Test Type: 14-DAY  
Route: DOSED FEED  
Species/Strain: Rat/F 344/N  

<table>
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</table>

ALIMENTARY SYSTEM

Liver: (5) (1) (0) (0) (5) (5)

CARDIOVASCULAR SYSTEM

None

ENDOCRINE SYSTEM

None

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

None

HEMATOPOIETIC SYSTEM

None

INTEGUMENTARY SYSTEM

None

MUSCULOSKELETAL SYSTEM

None

NERVOUS SYSTEM

None

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Disposition Summary

Animals Initially In Study 5
Early Deaths
Survivors
   Terminal Sacrifice 5
Animals Examined Microscopically 5

ALIMENTARY SYSTEM
   Liver (5)

CARDIOVASCULAR SYSTEM
   None

ENDOCRINE SYSTEM
   None

GENERAL BODY SYSTEM
   None

GENITAL SYSTEM
   None

HEMATOPOIETIC SYSTEM
   None

INTEGUMENTARY SYSTEM
   None

MUSCULOSKELETAL SYSTEM
   None

NERVOUS SYSTEM
   None

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<th>Route: DOSED FEED</th>
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- **RESPIRATORY SYSTEM**
  - None

- **SPECIAL SENSES SYSTEM**
  - None

- **URINARY SYSTEM**
  - None

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Experiment Number: 99007-01
Test Type: 14-DAY
Route: DOSED FEED
Species/Strain: Rat/F 344/N

<table>
<thead>
<tr>
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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

** END OF REPORT **

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