

**Experiment Number:** 99021-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

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

**Test Compound:** alpha-Thujone  
**CAS Number:** 546-80-5

**Date Report Requested:** 10/19/2014  
**Time Report Requested:** 11:44:39  
**First Dose M/F:** NA / NA  
**Lab:** MBA

|                             |            |
|-----------------------------|------------|
| <b>C Number:</b>            | C99021     |
| <b>Lock Date:</b>           | 01/24/2002 |
| <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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First Dose M/F: NA / NA

Lab: MBA

| B6C3F1 Mouse MALE                | VEHICLE CONTROL | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG | 30.0 MG/KG | 100 MG/KG |
|----------------------------------|-----------------|-----------|-----------|------------|------------|-----------|
| <b>Disposition Summary</b>       |                 |           |           |            |            |           |
| Animals Initially In Study       | 5               | 5         | 5         | 5          | 5          | 5         |
| Early Deaths                     |                 |           |           |            |            |           |
| Natural Death                    |                 |           |           |            |            | 4         |
| Survivors                        |                 |           |           |            |            |           |
| Terminal Sacrifice               | 5               | 5         | 5         | 5          | 5          | 1         |
| Animals Examined Microscopically | 5               |           |           |            | 5          | 5         |
| <b>ALIMENTARY SYSTEM</b>         |                 |           |           |            |            |           |
| Esophagus                        | (4)             | (0)       | (0)       | (0)        | (5)        | (5)       |
| Gallbladder                      | (4)             | (0)       | (0)       | (0)        | (4)        | (4)       |
| Intestine Large, Cecum           | (5)             | (0)       | (0)       | (0)        | (5)        | (1)       |
| Intestine Large, Colon           | (5)             | (0)       | (0)       | (0)        | (5)        | (2)       |
| Intestine Large, Rectum          | (5)             | (0)       | (0)       | (0)        | (5)        | (2)       |
| Intestine Small, Duodenum        | (5)             | (0)       | (0)       | (0)        | (5)        | (1)       |
| Intestine Small, Ileum           | (5)             | (0)       | (0)       | (0)        | (5)        | (1)       |
| Intestine Small, Jejunum         | (5)             | (0)       | (0)       | (0)        | (5)        | (1)       |
| Liver                            | (5)             | (0)       | (0)       | (0)        | (5)        | (5)       |
| Pancreas                         | (5)             | (0)       | (0)       | (0)        | (5)        | (5)       |
| Salivary Glands                  | (5)             | (0)       | (0)       | (0)        | (5)        | (5)       |
| Stomach, Forestomach             | (5)             | (0)       | (0)       | (0)        | (5)        | (5)       |
| Stomach, Glandular               | (5)             | (0)       | (0)       | (0)        | (5)        | (5)       |
| <b>CARDIOVASCULAR SYSTEM</b>     |                 |           |           |            |            |           |
| Blood Vessel                     | (5)             | (0)       | (0)       | (0)        | (5)        | (5)       |
| Heart                            | (5)             | (0)       | (0)       | (0)        | (5)        | (5)       |
| <b>ENDOCRINE SYSTEM</b>          |                 |           |           |            |            |           |
| Adrenal Cortex                   | (5)             | (0)       | (0)       | (0)        | (5)        | (5)       |

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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First Dose M/F: NA / NA

Lab: MBA

| B6C3F1 Mouse MALE      | VEHICLE CONTROL | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG | 30.0 MG/KG | 100 MG/KG |
|------------------------|-----------------|-----------|-----------|------------|------------|-----------|
| Adrenal Medulla        | (5)             | (0)       | (0)       | (0)        | (5)        | (5)       |
| Islets, Pancreatic     | (5)             | (0)       | (0)       | (0)        | (5)        | (5)       |
| Parathyroid Gland      | (5)             | (0)       | (0)       | (0)        | (3)        | (1)       |
| Pituitary Gland        | (5)             | (0)       | (0)       | (0)        | (5)        | (5)       |
| Thyroid Gland          | (5)             | (0)       | (0)       | (0)        | (5)        | (5)       |
| GENERAL BODY SYSTEM    |                 |           |           |            |            |           |
| None                   |                 |           |           |            |            |           |
| GENITAL SYSTEM         |                 |           |           |            |            |           |
| Epididymis             | (5)             | (0)       | (0)       | (0)        | (5)        | (5)       |
| Preputial Gland        | (5)             | (0)       | (0)       | (0)        | (5)        | (5)       |
| Prostate               | (5)             | (0)       | (0)       | (0)        | (5)        | (5)       |
| Seminal Vesicle        | (5)             | (0)       | (0)       | (0)        | (5)        | (5)       |
| Testes                 | (5)             | (0)       | (0)       | (0)        | (5)        | (5)       |
| HEMATOPOIETIC SYSTEM   |                 |           |           |            |            |           |
| Bone Marrow            | (5)             | (0)       | (0)       | (0)        | (5)        | (5)       |
| Lymph Node, Mandibular | (5)             | (0)       | (0)       | (0)        | (5)        | (4)       |
| Lymph Node, Mesenteric | (5)             | (0)       | (0)       | (0)        | (5)        | (5)       |
| Spleen                 | (5)             | (0)       | (0)       | (0)        | (5)        | (5)       |
| Thymus                 | (5)             | (0)       | (0)       | (0)        | (5)        | (5)       |
| INTEGUMENTARY SYSTEM   |                 |           |           |            |            |           |
| Mammary Gland          | (1)             | (0)       | (0)       | (0)        | (0)        | (0)       |
| Skin                   | (5)             | (0)       | (0)       | (0)        | (5)        | (5)       |
| MUSCULOSKELETAL SYSTEM |                 |           |           |            |            |           |
| Bone                   | (4)             | (0)       | (0)       | (0)        | (5)        | (5)       |
| Skeletal Muscle        | (5)             | (0)       | (0)       | (0)        | (5)        | (5)       |
| NERVOUS SYSTEM         |                 |           |           |            |            |           |

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

Species/Strain: Mouse/B6C3F1

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Test Compound: alpha-Thujone

CAS Number: 546-80-5

Date Report Requested: 10/19/2014

Time Report Requested: 11:44:39

First Dose M/F: NA / NA

Lab: MBA

| B6C3F1 Mouse MALE         | VEHICLE CONTROL | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG | 30.0 MG/KG | 100 MG/KG |
|---------------------------|-----------------|-----------|-----------|------------|------------|-----------|
| Brain, NOS                | (5)             | (0)       | (0)       | (0)        | (5)        | (5)       |
| Peripheral Nerve, Sciatic | (4)             | (0)       | (0)       | (0)        | (5)        | (5)       |
| Spinal Cord, Cervical     | (5)             | (0)       | (0)       | (0)        | (5)        | (5)       |
| Spinal Cord, Lumbar       | (5)             | (0)       | (0)       | (0)        | (5)        | (5)       |
| RESPIRATORY SYSTEM        |                 |           |           |            |            |           |
| Larynx                    | (0)             | (0)       | (0)       | (0)        | (2)        | (1)       |
| Lung                      | (5)             | (0)       | (0)       | (0)        | (5)        | (5)       |
| Nose                      | (5)             | (0)       | (0)       | (0)        | (5)        | (5)       |
| Trachea                   | (5)             | (0)       | (0)       | (0)        | (5)        | (5)       |
| SPECIAL SENSES SYSTEM     |                 |           |           |            |            |           |
| Eye                       | (5)             | (0)       | (0)       | (0)        | (5)        | (5)       |
| Harderian Gland           | (5)             | (0)       | (0)       | (0)        | (5)        | (5)       |
| Zymbal's Gland            | (1)             | (0)       | (0)       | (0)        | (0)        | (0)       |
| URINARY SYSTEM            |                 |           |           |            |            |           |
| Kidney                    | (5)             | (0)       | (0)       | (0)        | (5)        | (5)       |
| Urinary Bladder           | (5)             | (0)       | (0)       | (0)        | (5)        | (5)       |

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

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| <b>B6C3F1 Mouse MALE</b>   | <b>VEHICLE CONTROL</b> | <b>1.0 MG/KG</b> | <b>3.0 MG/KG</b> | <b>10.0 MG/KG</b> | <b>30.0 MG/KG</b> | <b>100 MG/KG</b> |
|--|------------------------|------------------|------------------|-------------------|-------------------|------------------|
| <b>Tumor Summary for MALE</b>  |                        |                  |                  |                   |                   |                  |
| <b>Total Animals with Primary Neoplasms (b)</b>                          |                        |                  |                  |                   |                   |                  |
| <b>Total Primary Neoplasms</b>   |                        |                  |                  |                   |                   |                  |
| <b>Total Animals with Benign Neoplasms</b>                               |                        |                  |                  |                   |                   |                  |
| <b>Total Benign Neoplasms</b>  |                        |                  |                  |                   |                   |                  |
| <b>Total Animals with Malignant Neoplasms</b>                            |                        |                  |                  |                   |                   |                  |
| <b>Total Malignant Neoplasms</b>   |                        |                  |                  |                   |                   |                  |
| <b>Total Animals with Metastatic Neoplasms</b>                           |                        |                  |                  |                   |                   |                  |
| <b>Total Metastatic Neoplasms</b>  |                        |                  |                  |                   |                   |                  |
| <b>Total Animals with Malignant Neoplasms<br/>Uncertain Primary Site</b> |                        |                  |                  |                   |                   |                  |
| <b>Total Animals with Neoplasms Uncertain -<br/>Benign or Malignant</b>  |                        |                  |                  |                   |                   |                  |
| <b>Total Uncertain Neoplasms</b>   |                        |                  |                  |                   |                   |                  |

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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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First Dose M/F: NA / NA

Lab: MBA

| B6C3F1 Mouse FEMALE              | VEHICLE CONTROL | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG | 30.0 MG/KG | 100 MG/KG |
|----------------------------------|-----------------|-----------|-----------|------------|------------|-----------|
| <b>Disposition Summary</b>       |                 |           |           |            |            |           |
| Animals Initially In Study       | 5               | 5         | 5         | 5          | 5          | 5         |
| Early Deaths                     |                 |           |           |            |            |           |
| Natural Death                    |                 |           |           |            |            | 5         |
| Survivors                        |                 |           |           |            |            |           |
| Terminal Sacrifice               | 5               | 5         | 5         | 5          | 5          |           |
| Animals Examined Microscopically | 5               |           |           |            |            | 5         |
| <b>ALIMENTARY SYSTEM</b>         |                 |           |           |            |            |           |
| Esophagus                        | (5)             | (0)       | (0)       | (0)        | (0)        | (5)       |
| Gallbladder                      | (3)             | (0)       | (0)       | (0)        | (0)        | (4)       |
| Intestine Large, Cecum           | (5)             | (0)       | (0)       | (0)        | (0)        | (0)       |
| Intestine Large, Colon           | (5)             | (0)       | (0)       | (0)        | (0)        | (0)       |
| Intestine Large, Rectum          | (5)             | (0)       | (0)       | (0)        | (0)        | (5)       |
| Intestine Small, Duodenum        | (5)             | (0)       | (0)       | (0)        | (0)        | (0)       |
| Intestine Small, Ileum           | (5)             | (0)       | (0)       | (0)        | (0)        | (0)       |
| Intestine Small, Jejunum         | (5)             | (0)       | (0)       | (0)        | (0)        | (0)       |
| Liver                            | (5)             | (0)       | (0)       | (0)        | (0)        | (5)       |
| Pancreas                         | (5)             | (0)       | (0)       | (0)        | (0)        | (5)       |
| Salivary Glands                  | (5)             | (0)       | (0)       | (0)        | (0)        | (5)       |
| Stomach, Forestomach             | (5)             | (0)       | (0)       | (0)        | (0)        | (5)       |
| Stomach, Glandular               | (5)             | (0)       | (0)       | (0)        | (0)        | (5)       |
| <b>CARDIOVASCULAR SYSTEM</b>     |                 |           |           |            |            |           |
| Blood Vessel                     | (5)             | (0)       | (0)       | (0)        | (0)        | (5)       |
| Heart                            | (5)             | (0)       | (0)       | (0)        | (0)        | (5)       |
| <b>ENDOCRINE SYSTEM</b>          |                 |           |           |            |            |           |
| Adrenal Cortex                   | (5)             | (0)       | (0)       | (0)        | (0)        | (5)       |

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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First Dose M/F: NA / NA

Lab: MBA

| B6C3F1 Mouse FEMALE       | VEHICLE CONTROL | 1.0 MG/KG | 3.0 MG/KG | 10.0 MG/KG | 30.0 MG/KG | 100 MG/KG |
|---------------------------|-----------------|-----------|-----------|------------|------------|-----------|
| Adrenal Medulla           | (5)             | (0)       | (0)       | (0)        | (0)        | (5)       |
| Islets, Pancreatic        | (5)             | (0)       | (0)       | (0)        | (0)        | (5)       |
| Parathyroid Gland         | (5)             | (0)       | (0)       | (0)        | (0)        | (0)       |
| Pituitary Gland           | (3)             | (0)       | (0)       | (0)        | (0)        | (4)       |
| Thyroid Gland             | (5)             | (0)       | (0)       | (0)        | (0)        | (5)       |
| GENERAL BODY SYSTEM       |                 |           |           |            |            |           |
| None                      |                 |           |           |            |            |           |
| GENITAL SYSTEM            |                 |           |           |            |            |           |
| Clitoral Gland            | (3)             | (0)       | (0)       | (0)        | (0)        | (5)       |
| Ovary                     | (5)             | (0)       | (0)       | (0)        | (0)        | (5)       |
| Uterus                    | (5)             | (0)       | (0)       | (0)        | (0)        | (5)       |
| HEMATOPOIETIC SYSTEM      |                 |           |           |            |            |           |
| Bone Marrow               | (5)             | (0)       | (0)       | (0)        | (0)        | (5)       |
| Lymph Node, Mandibular    | (5)             | (0)       | (0)       | (0)        | (0)        | (5)       |
| Lymph Node, Mesenteric    | (5)             | (0)       | (0)       | (0)        | (0)        | (5)       |
| Spleen                    | (5)             | (0)       | (0)       | (0)        | (0)        | (5)       |
| Thymus                    | (5)             | (0)       | (0)       | (0)        | (0)        | (5)       |
| INTEGUMENTARY SYSTEM      |                 |           |           |            |            |           |
| Mammary Gland             | (4)             | (0)       | (0)       | (0)        | (0)        | (5)       |
| Skin                      | (5)             | (0)       | (0)       | (0)        | (0)        | (5)       |
| MUSCULOSKELETAL SYSTEM    |                 |           |           |            |            |           |
| Bone                      | (5)             | (0)       | (0)       | (0)        | (0)        | (5)       |
| Skeletal Muscle           | (5)             | (0)       | (0)       | (0)        | (0)        | (5)       |
| NERVOUS SYSTEM            |                 |           |           |            |            |           |
| Brain, NOS                | (5)             | (0)       | (0)       | (0)        | (0)        | (5)       |
| Peripheral Nerve, Sciatic | (5)             | (0)       | (0)       | (0)        | (0)        | (4)       |

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:** MBA

| <b>B6C3F1 Mouse FEMALE</b>   | <b>VEHICLE CONTROL</b> | <b>1.0 MG/KG</b> | <b>3.0 MG/KG</b> | <b>10.0 MG/KG</b> | <b>30.0 MG/KG</b> | <b>100 MG/KG</b> |
|------------------------------|------------------------|------------------|------------------|-------------------|-------------------|------------------|
| Spinal Cord, Cervical        | (5)                    | (0)              | (0)              | (0)               | (0)               | (5)              |
| Spinal Cord, Lumbar          | (5)                    | (0)              | (0)              | (0)               | (0)               | (5)              |
| <b>RESPIRATORY SYSTEM</b>    |                        |                  |                  |                   |                   |                  |
| Larynx                       | (3)                    | (0)              | (0)              | (0)               | (0)               | (4)              |
| Lung                         | (5)                    | (0)              | (0)              | (0)               | (0)               | (5)              |
| Nose                         | (5)                    | (0)              | (0)              | (0)               | (0)               | (5)              |
| Trachea                      | (5)                    | (0)              | (0)              | (0)               | (0)               | (5)              |
| <b>SPECIAL SENSES SYSTEM</b> |                        |                  |                  |                   |                   |                  |
| Eye                          | (5)                    | (0)              | (0)              | (0)               | (0)               | (5)              |
| Harderian Gland              | (5)                    | (0)              | (0)              | (0)               | (0)               | (5)              |
| <b>URINARY SYSTEM</b>        |                        |                  |                  |                   |                   |                  |
| Kidney                       | (5)                    | (0)              | (0)              | (0)               | (0)               | (5)              |
| Urinary Bladder              | (5)                    | (0)              | (0)              | (0)               | (0)               | (4)              |

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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| <b>B6C3F1 Mouse FEMALE</b>   | <b>VEHICLE CONTROL</b> | <b>1.0 MG/KG</b> | <b>3.0 MG/KG</b> | <b>10.0 MG/KG</b> | <b>30.0 MG/KG</b> | <b>100 MG/KG</b> |
|--|------------------------|------------------|------------------|-------------------|-------------------|------------------|
| <b>Tumor Summary for FEMALE</b>  |                        |                  |                  |                   |                   |                  |
| <b>Total Animals with Primary Neoplasms (b)</b>                          |                        |                  |                  |                   |                   |                  |
| <b>Total Primary Neoplasms</b>   |                        |                  |                  |                   |                   |                  |
| <b>Total Animals with Benign Neoplasms</b>                               |                        |                  |                  |                   |                   |                  |
| <b>Total Benign Neoplasms</b>  |                        |                  |                  |                   |                   |                  |
| <b>Total Animals with Malignant Neoplasms</b>                            |                        |                  |                  |                   |                   |                  |
| <b>Total Malignant Neoplasms</b>   |                        |                  |                  |                   |                   |                  |
| <b>Total Animals with Metastatic Neoplasms</b>                           |                        |                  |                  |                   |                   |                  |
| <b>Total Metastatic Neoplasms</b>  |                        |                  |                  |                   |                   |                  |
| <b>Total Animals with Malignant Neoplasms<br/>Uncertain Primary Site</b> |                        |                  |                  |                   |                   |                  |
| <b>Total Animals with Neoplasms Uncertain -<br/>Benign or Malignant</b>  |                        |                  |                  |                   |                   |                  |
| <b>Total Uncertain Neoplasms</b>   |                        |                  |                  |                   |                   |                  |

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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