

**Experiment Number:** 20314 - 04

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

**Date Report Requested:** 12/17/2014

**Test Type:** CHRONIC

Glycidamide

**Time Report Requested:** 07:40:57

**Route:** DOSED WATER

**CAS Number:** 5694-00-8

**First Dose M/F:** 06/02/05 / 06/02/05

**Species/Strain:** MICE/B6C3F1/NCTR

**Lab:** NCTR

**NTP Study Number:** C20314  
**Lock Date:** 10/03/2011  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 3.0.2.2\_002  
**PWG Approval Date:** NONE

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Species/Strain: MICE/B6C3F1/NCTR

Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR MICE MALE | 0.70 GLYCID | 0.35 GLYCID | 0.175 GLYCID | 0.0875 GLYCID | CONTROL WATER |
|--------------------------------------|-------------|-------------|--------------|---------------|---------------|
|--------------------------------------|-------------|-------------|--------------|---------------|---------------|

## Disposition Summary

|                                  |    |    |    |    |    |
|----------------------------------|----|----|----|----|----|
| Animals Initially In Study       | 48 | 48 | 48 | 48 | 48 |
| Early Deaths                     |    |    |    |    |    |
| Moribund Sacrifice               | 11 | 16 | 11 | 4  |    |
| Natural Death                    | 9  | 3  | 2  | 3  | 1  |
| Survivors                        |    |    |    |    |    |
| Moribund Sacrifice               | 2  | 2  | 1  |    | 2  |
| Natural Death                    | 1  | 1  |    |    |    |
| Terminal Sacrifice               | 25 | 26 | 34 | 41 | 45 |
| Animals Examined Microscopically | 48 | 48 | 48 | 48 | 48 |

## ALIMENTARY SYSTEM

|   |          |         |         |         |         |
|---|----------|---------|---------|---------|---------|
| Esophagus                                   | (46)     | (47)    | (47)    | (48)    | (47)    |
| Gallbladder                                 | (39)     | (45)    | (46)    | (45)    | (46)    |
| Intestine Large, Cecum                      | (39)     | (44)    | (46)    | (45)    | (47)    |
| Intestine Large, Colon                      | (39)     | (45)    | (47)    | (45)    | (47)    |
| Intestine Large, Rectum                     | (39)     | (45)    | (47)    | (45)    | (47)    |
| Intestine Small, Duodenum                   | (39)     | (44)    | (46)    | (45)    | (47)    |
| Adenoma                                     |          | 1 (2%)  |         |         |         |
| Intestine Small, Ileum                      | (39)     | (44)    | (46)    | (45)    | (47)    |
| Intestine Small, Jejunum                    | (39)     | (44)    | (46)    | (45)    | (47)    |
| Liver                                       | (48)     | (47)    | (47)    | (47)    | (47)    |
| Hemangiosarcoma                             |          |         | 1 (2%)  |         |         |
| Hepatocellular Adenoma                      | 10 (21%) | 8 (17%) | 8 (17%) | 1 (2%)  | 9 (19%) |
| Hepatocellular Adenoma, Multiple            | 1 (2%)   | 4 (9%)  |         |         | 1 (2%)  |
| Hepatocellular Carcinoma                    | 9 (19%)  | 7 (15%) | 6 (13%) | 9 (19%) | 5 (11%) |
| Hepatocellular Carcinoma, Multiple          | 2 (4%)   | 2 (4%)  | 1 (2%)  | 1 (2%)  |         |
| Hepatocholangiocarcinoma                    | 2 (4%)   | 1 (2%)  |         |         |         |
| Mesentery                                   | (1)      | (1)     | (0)     | (1)     | (2)     |
| Fibrous Histiocytoma                        |          |         |         |         | 1 (50%) |
| Hepatocholangiocarcinoma, Metastatic, Liver | 1 (100%) |         |         |         |         |
| Oral Mucosa                                 | (2)      | (0)     | (0)     | (1)     | (0)     |
| Squamous Cell Carcinoma                     | 1 (50%)  |         |         |         |         |
| Squamous Cell Papilloma                     | 1 (50%)  |         |         |         |         |

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

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Species/Strain: MICE/B6C3F1/NCTR

Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR MICE MALE       | 0.70 GLYCID | 0.35 GLYCID | 0.175 GLYCID | 0.0875 GLYCID | CONTROL WATER |
|--|-------------|-------------|--------------|---------------|---------------|
| Pancreas                                   | (45)        | (47)        | (47)         | (46)          | (47)          |
| Fibrous Histiocytoma                       |             |             |              |               | 1 (2%)        |
| Salivary Glands                            | (44)        | (46)        | (47)         | (47)          | (47)          |
| Stomach, Forestomach                       | (41)        | (45)        | (48)         | (45)          | (47)          |
| Squamous Cell Carcinoma                    | 2 (5%)      |             |              |               |               |
| Squamous Cell Papilloma                    | 9 (22%)     | 1 (2%)      | 3 (6%)       | 2 (4%)        |               |
| Squamous Cell Papilloma, Multiple          | 1 (2%)      | 1 (2%)      |              |               |               |
| Stomach, Glandular                         | (38)        | (44)        | (46)         | (45)          | (47)          |
| Tongue                                     | (0)         | (1)         | (0)          | (0)           | (0)           |
| Squamous Cell Carcinoma                    |             | 1 (100%)    |              |               |               |
| <b>CARDIOVASCULAR SYSTEM</b>               |             |             |              |               |               |
| Blood Vessel                               | (47)        | (47)        | (47)         | (48)          | (47)          |
| Hepatobiliary Carcinoma, Metastatic, Liver | 1 (2%)      |             |              |               |               |
| Heart                                      | (46)        | (47)        | (47)         | (48)          | (47)          |
| Hepatobiliary Carcinoma, Metastatic, Liver | 1 (2%)      |             |              |               |               |
| <b>ENDOCRINE SYSTEM</b>                    |             |             |              |               |               |
| Adrenal Cortex                             | (44)        | (45)        | (47)         | (47)          | (47)          |
| Hepatobiliary Carcinoma, Metastatic, Liver | 1 (2%)      |             |              |               |               |
| Adrenal Medulla                            | (43)        | (45)        | (47)         | (46)          | (47)          |
| Pheochromocytoma Benign                    | 1 (2%)      |             |              | 1 (2%)        | 1 (2%)        |
| Islets, Pancreatic                         | (44)        | (47)        | (47)         | (47)          | (47)          |
| Adenoma                                    | 1 (2%)      |             |              |               |               |
| Parathyroid Gland                          | (42)        | (42)        | (43)         | (48)          | (43)          |
| Pituitary Gland                            | (42)        | (42)        | (47)         | (44)          | (45)          |
| Pars Distalis, Carcinoma                   |             | 1 (2%)      |              |               |               |
| Thyroid Gland                              | (43)        | (44)        | (47)         | (48)          | (47)          |
| Follicular Cell, Carcinoma                 |             |             | 1 (2%)       |               |               |
| <b>GENERAL BODY SYSTEM</b>                 |             |             |              |               |               |

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Species/Strain: MICE/B6C3F1/NCTR

Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR MICE MALE                     | 0.70 GLYCID | 0.35 GLYCID | 0.175 GLYCID | 0.0875 GLYCID | CONTROL WATER |
|--|-------------|-------------|--------------|---------------|---------------|
| Tissue NOS   | (1)         | (1)         | (0)          | (0)           | (0)           |
| Thoracic, Hepatocholangiocarcinoma,<br>Metastatic, Liver | 1 (100%)    |             |              |               |               |
| <b>GENITAL SYSTEM</b>                                    |             |             |              |               |               |
| Epididymis   | (43)        | (46)        | (47)         | (47)          | (47)          |
| Penis  | (0)         | (0)         | (1)          | (0)           | (0)           |
| Preputial Gland  | (44)        | (46)        | (46)         | (47)          | (47)          |
| Hemangioma   |             |             | 1 (2%)       |               |               |
| Squamous Cell Carcinoma                                  |             | 1 (2%)      |              |               |               |
| Prostate   | (41)        | (45)        | (47)         | (47)          | (47)          |
| Fibrous Histiocytoma                                     |             |             |              |               | 1 (2%)        |
| Seminal Vesicle  | (41)        | (45)        | (47)         | (46)          | (47)          |
| Testes   | (42)        | (46)        | (46)         | (46)          | (47)          |
| <b>HEMATOPOIETIC SYSTEM</b>                              |             |             |              |               |               |
| Bone Marrow  | (44)        | (46)        | (47)         | (47)          | (47)          |
| Lymph Node   | (6)         | (6)         | (2)          | (5)           | (4)           |
| Axillary, Fibrous Histiocytoma                           |             |             |              |               | 1 (25%)       |
| Inguinal, Fibrous Histiocytoma                           |             |             |              |               | 1 (25%)       |
| Lumbar, Fibrous Histiocytoma                             |             |             |              |               | 1 (25%)       |
| Mediastinal, Fibrous Histiocytoma                        |             |             |              |               | 1 (25%)       |
| Lymph Node, Mandibular                                   | (43)        | (45)        | (47)         | (47)          | (47)          |
| Fibrous Histiocytoma                                     |             |             |              |               | 1 (2%)        |
| Lymph Node, Mesenteric                                   | (42)        | (45)        | (47)         | (46)          | (47)          |
| Fibrous Histiocytoma                                     |             |             |              |               | 1 (2%)        |
| Spleen   | (44)        | (46)        | (47)         | (47)          | (47)          |
| Basosquamous Tumor Malignant, Metastatic,<br>Skin        | 1 (2%)      |             |              |               |               |
| Hemangiosarcoma  | 2 (5%)      | 1 (2%)      | 1 (2%)       |               | 2 (4%)        |
| Thymus   | (34)        | (39)        | (43)         | (45)          | (43)          |

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|--------------------------------------|-------------|-------------|--------------|---------------|---------------|

## INTEGUMENTARY SYSTEM

|   |         |        |        |        |        |
|---|---------|--------|--------|--------|--------|
| Mammary Gland                             | (1)     | (2)    | (0)    | (1)    | (3)    |
| Skin                                      | (46)    | (47)   | (47)   | (48)   | (47)   |
| Basosquamous Tumor Malignant              | 2 (4%)  |        |        |        |        |
| Fibroma                                   |         |        |        | 1 (2%) |        |
| Fibroma, Multiple                         |         |        | 1 (2%) |        |        |
| Keratoacanthoma                           | 1 (2%)  |        |        |        |        |
| Squamous Cell Carcinoma                   | 2 (4%)  |        |        |        |        |
| Squamous Cell Papilloma                   | 8 (17%) | 1 (2%) | 2 (4%) | 1 (2%) |        |
| Subcutaneous Tissue, Fibrosarcoma         | 3 (7%)  | 2 (4%) | 4 (9%) |        | 2 (4%) |
| Subcutaneous Tissue, Fibrous Histiocytoma | 1 (2%)  |        |        | 2 (4%) | 1 (2%) |
| Subcutaneous Tissue, Hemangiosarcoma      | 1 (2%)  |        |        | 1 (2%) |        |
| Subcutaneous Tissue, Sarcoma              |         | 2 (4%) |        | 1 (2%) |        |
| Subcutaneous Tissue, Schwannoma Malignant |         | 3 (6%) | 4 (9%) | 1 (2%) |        |

## MUSCULOSKELETAL SYSTEM

|   |        |        |      |      |        |
|---|--------|--------|------|------|--------|
| Bone, Femur                                 | (47)   | (48)   | (48) | (48) | (48)   |
| Skeletal Muscle                             | (47)   | (47)   | (47) | (47) | (48)   |
| Hemangiosarcoma                             |        |        |      |      | 1 (2%) |
| Hepatocholangiocarcinoma, Metastatic, Liver | 1 (2%) |        |      |      |        |
| Sarcoma                                     |        | 1 (2%) |      |      |        |

## NERVOUS SYSTEM

|  |      |      |        |      |      |
|--|------|------|--------|------|------|
| Brain, Brain Stem                      | (42) | (46) | (46)   | (47) | (47) |
| Brain, Cerebellum                      | (42) | (46) | (46)   | (47) | (47) |
| Brain, Cerebrum                        | (42) | (46) | (46)   | (47) | (47) |
| Peripheral Nerve, Sciatic              | (42) | (46) | (47)   | (47) | (47) |
| Schwannoma Malignant, Metastatic, Skin |      |      | 1 (2%) |      |      |
| Spinal Cord, Cervical                  | (39) | (44) | (46)   | (46) | (47) |
| Spinal Cord, Lumbar                    | (39) | (45) | (46)   | (46) | (47) |
| Spinal Cord, Thoracic                  | (39) | (45) | (46)   | (46) | (47) |

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|--------------------------------------|-------------|-------------|--------------|---------------|---------------|
|--------------------------------------|-------------|-------------|--------------|---------------|---------------|

## RESPIRATORY SYSTEM

|  |          |         |         |         |        |
|--|----------|---------|---------|---------|--------|
| Lung   | (47)     | (47)    | (47)    | (46)    | (47)   |
| Adenocarcinoma, Metastatic, Harderian Gland    | 1 (2%)   |         |         |         |        |
| Alveolar/Bronchiolar Adenoma                   | 13 (28%) | 8 (17%) | 5 (11%) | 6 (13%) |        |
| Alveolar/Bronchiolar Adenoma, Multiple         | 4 (9%)   | 5 (11%) | 2 (4%)  | 1 (2%)  |        |
| Alveolar/Bronchiolar Carcinoma                 | 2 (4%)   |         | 1 (2%)  |         |        |
| Basosquamous Tumor Malignant, Metastatic, Skin | 1 (2%)   |         |         |         |        |
| Fibrosarcoma, Metastatic, Skin                 |          |         | 1 (2%)  |         |        |
| Hepatocellular Carcinoma, Metastatic, Liver    |          | 1 (2%)  | 1 (2%)  |         | 1 (2%) |
| Hepatocholangiocarcinoma, Metastatic, Liver    | 1 (2%)   | 1 (2%)  |         |         |        |
| Sarcoma, Metastatic, Skeletal Muscle           |          | 1 (2%)  |         |         |        |
| Nose   | (45)     | (47)    | (47)    | (46)    | (47)   |
| Fibrous Histiocytoma                           |          |         |         |         | 1 (2%) |
| Hepatocholangiocarcinoma, Metastatic, Liver    | 1 (2%)   |         |         |         |        |
| Trachea  | (45)     | (46)    | (46)    | (48)    | (47)   |

## SPECIAL SENSES SYSTEM

|                    |          |          |          |          |        |
|--------------------|----------|----------|----------|----------|--------|
| Eye                | (42)     | (44)     | (46)     | (45)     | (47)   |
| Harderian Gland    | (47)     | (46)     | (47)     | (47)     | (47)   |
| Adenocarcinoma     | 1 (2%)   |          |          |          |        |
| Adenoma            | 11 (23%) | 17 (37%) | 19 (40%) | 15 (32%) | 3 (6%) |
| Bilateral, Adenoma | 31 (66%) | 15 (33%) | 4 (9%)   | 2 (4%)   |        |
| Zymbal's Gland     | (1)      | (0)      | (0)      | (0)      | (0)    |

## URINARY SYSTEM

|   |        |      |      |      |      |
|---|--------|------|------|------|------|
| Kidney                                      | (46)   | (46) | (47) | (47) | (47) |
| Hepatocholangiocarcinoma, Metastatic, Liver | 1 (2%) |      |      |      |      |
| Renal Tubule, Adenoma                       | 1 (2%) |      |      |      |      |
| Renal Tubule, Carcinoma                     | 2 (4%) |      |      |      |      |

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

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|--------------------------------------|-------------|-------------|--------------|---------------|---------------|
| Urinary Bladder                      | (41)        | (45)        | (47)         | (46)          | (47)          |
| Hemangioma                           | 1 (2%)      |             |              |               |               |
| Transitional Epithelium, Papilloma   | 1 (2%)      |             |              |               |               |
| <hr/>                                |             |             |              |               |               |
| SYSTEMIC LESIONS                     |             |             |              |               |               |
| Multiple Organ                       | *(48)       | *(48)       | *(48)        | *(48)         | *(48)         |
| Histiocytic Sarcoma                  | 3 (6%)      | 3 (6%)      | 1 (2%)       |               | 1 (2%)        |
| Leukemia                             | 1 (2%)      |             |              |               |               |
| Lymphoma Malignant                   | 7 (15%)     | 4 (8%)      | 2 (4%)       | 4 (8%)        | 2 (4%)        |

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\* Number of animals with any tissue examined microscopically

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|--------------------------------------|-------------|-------------|--------------|---------------|---------------|

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**Tumor Summary for Males**

|  |     |    |    |    |    |
|--|-----|----|----|----|----|
| Total Animals with Primary Neoplasms (b)                         | 47  | 46 | 41 | 35 | 23 |
| Total Primary Neoplasms  | 138 | 90 | 67 | 49 | 38 |
| Total Animals with Benign Neoplasms                              | 43  | 40 | 34 | 23 | 14 |
| Total Benign Neoplasms   | 95  | 61 | 45 | 30 | 14 |
| Total Animals with Malignant Neoplasms                           | 33  | 27 | 21 | 17 | 13 |
| Total Malignant Neoplasms  | 43  | 29 | 22 | 19 | 24 |
| Total Animals with Metastatic Neoplasms                          | 3   | 3  | 3  |    | 1  |
| Total Metastatic Neoplasms                                       | 12  | 3  | 3  |    | 1  |
| Total Animals with Malignant Neoplasms<br>Uncertain Primary Site |     |    |    |    |    |
| Total Animals with Neoplasms Uncertain-<br>Benign or Malignant   |     |    |    |    |    |
| Total Uncertain Neoplasms  |     |    |    |    |    |

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

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b - Primary tumors: all tumors except metastatic tumors



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|--|-------------|-------------|--------------|---------------|---------------|

**Disposition Summary**

|   |           |           |           |           |           |
|---|-----------|-----------|-----------|-----------|-----------|
| <b>Animals Initially In Study</b>       | <b>48</b> | <b>48</b> | <b>48</b> | <b>48</b> | <b>48</b> |
| <b>Early Deaths</b>                     |           |           |           |           |           |
| <b>Moribund Sacrifice</b>               | <b>32</b> | <b>7</b>  | <b>6</b>  | <b>2</b>  | <b>2</b>  |
| <b>Natural Death</b>                    | <b>6</b>  | <b>4</b>  | <b>2</b>  | <b>2</b>  | <b>1</b>  |
| <b>Survivors</b>                        |           |           |           |           |           |
| <b>Moribund Sacrifice</b>               | <b>2</b>  | <b>5</b>  | <b>2</b>  |           | <b>2</b>  |
| <b>Natural Death</b>                    |           | <b>1</b>  |           | <b>2</b>  | <b>2</b>  |
| <b>Terminal Sacrifice</b>               | <b>8</b>  | <b>31</b> | <b>38</b> | <b>42</b> | <b>41</b> |
| <b>Animals Examined Microscopically</b> | <b>48</b> | <b>48</b> | <b>48</b> | <b>48</b> | <b>47</b> |

## ALIMENTARY SYSTEM

|                                     |        |        |        |        |        |
|-------------------------------------|--------|--------|--------|--------|--------|
| Esophagus                           | (45)   | (47)   | (46)   | (48)   | (46)   |
| Squamous Cell Carcinoma             |        | 1 (2%) |        |        |        |
| Gallbladder                         | (41)   | (44)   | (47)   | (44)   | (45)   |
| Intestine Large, Cecum              | (42)   | (45)   | (46)   | (44)   | (45)   |
| Intestine Large, Colon              | (43)   | (45)   | (47)   | (45)   | (45)   |
| Intestine Large, Rectum             | (43)   | (45)   | (46)   | (45)   | (45)   |
| Polyp Adenomatous                   | 1 (2%) |        |        |        |        |
| Sarcoma Stromal, Metastatic, Uterus | 1 (2%) |        |        |        |        |
| Intestine Small, Duodenum           | (42)   | (45)   | (46)   | (44)   | (45)   |
| Adenoma                             | 1 (2%) |        |        |        |        |
| Intestine Small, Ileum              | (42)   | (45)   | (46)   | (44)   | (45)   |
| Fibrous Histiocytoma                |        |        |        |        | 1 (2%) |
| Intestine Small, Jejunum            | (42)   | (45)   | (46)   | (44)   | (45)   |
| Liver                               | (43)   | (46)   | (47)   | (48)   | (47)   |
| Fibrous Histiocytoma                |        |        |        |        | 1 (2%) |
| Hemangiosarcoma                     |        |        | 1 (2%) |        |        |
| Hepatocellular Adenoma              |        | 2 (4%) | 4 (9%) | 2 (4%) | 4 (9%) |
| Hepatocellular Carcinoma            | 1 (2%) | 2 (4%) | 2 (4%) | 1 (2%) |        |
| Pancreas                            | (44)   | (46)   | (47)   | (48)   | (45)   |
| Fibrous Histiocytoma                |        |        |        |        | 1 (2%) |
| Salivary Glands                     | (44)   | (47)   | (47)   | (47)   | (45)   |
| Stomach, Forestomach                | (44)   | (45)   | (47)   | (45)   | (45)   |

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

Test Type: CHRONIC

Glycidamide

Time Report Requested: 07:40:57

Route: DOSED WATER

CAS Number: 5694-00-8

First Dose M/F: 06/02/05 / 06/02/05

Species/Strain: MICE/B6C3F1/NCTR

Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE        | 0.70 GLYCID     | 0.35 GLYCID     | 0.175 GLYCID   | 0.0875 GLYCID  | CONTROL WATER  |
|---|-----------------|-----------------|----------------|----------------|----------------|
| Squamous Cell Papilloma<br>Stomach, Glandular | 9 (20%)<br>(43) | 5 (11%)<br>(45) | 1 (2%)<br>(47) | 1 (2%)<br>(45) | 1 (2%)<br>(45) |
| <b>CARDIOVASCULAR SYSTEM</b>                  |                 |                 |                |                |                |
| Blood Vessel                                  | (45)            | (47)            | (47)           | (48)           | (46)           |
| Heart   | (45)            | (47)            | (47)           | (48)           | (46)           |
| <b>ENDOCRINE SYSTEM</b>                       |                 |                 |                |                |                |
| Adrenal Cortex                                | (44)            | (47)            | (47)           | (48)           | (45)           |
| Subcapsular, Adenoma                          | 1 (2%)          |                 |                |                |                |
| Adrenal Medulla                               | (43)            | (47)            | (47)           | (45)           | (45)           |
| Pheochromocytoma Benign                       |                 | 1 (2%)          |                |                |                |
| Pheochromocytoma Complex                      | 1 (2%)          |                 |                |                |                |
| Pheochromocytoma Malignant                    |                 |                 |                | 1 (2%)         |                |
| Islets, Pancreatic                            | (43)            | (46)            | (47)           | (48)           | (45)           |
| Parathyroid Gland                             | (39)            | (40)            | (46)           | (45)           | (41)           |
| Pituitary Gland                               | (43)            | (47)            | (43)           | (45)           | (45)           |
| Pars Distalis, Adenoma                        | 2 (5%)          | 1 (2%)          |                | 2 (4%)         |                |
| Thyroid Gland                                 | (44)            | (46)            | (46)           | (47)           | (45)           |
| <b>GENERAL BODY SYSTEM</b>                    |                 |                 |                |                |                |
| Tissue NOS                                    | (1)             | (0)             | (0)            | (0)            | (0)            |
| <b>GENITAL SYSTEM</b>                         |                 |                 |                |                |                |
| Clitoral Gland                                | (41)            | (47)            | (47)           | (48)           | (44)           |
| Schwannoma Malignant, Metastatic, Skin        | 1 (2%)          |                 |                |                |                |
| Squamous Cell Carcinoma, Metastatic, Vagina   | 1 (2%)          |                 |                |                |                |
| Ovary   | (44)            | (46)            | (47)           | (47)           | (45)           |
| Granulosa Cell Tumor Benign                   | 2 (5%)          | 1 (2%)          |                |                |                |

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

Test Type: CHRONIC

Glycidamide

Time Report Requested: 07:40:57

Route: DOSED WATER

CAS Number: 5694-00-8

First Dose M/F: 06/02/05 / 06/02/05

Species/Strain: MICE/B6C3F1/NCTR

Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE | 0.70 GLYCID | 0.35 GLYCID | 0.175 GLYCID | 0.0875 GLYCID | CONTROL WATER |
|--|-------------|-------------|--------------|---------------|---------------|
| Granulosa Cell Tumor Malignant         | 1 (2%)      | 2 (4%)      |              |               |               |
| Tubulostromal Adenoma                  | 2 (5%)      | 1 (2%)      |              |               |               |
| Uterus                                 | (45)        | (47)        | (47)         | (48)          | (45)          |
| Adenocarcinoma                         | 2 (4%)      |             |              |               |               |
| Hemangioma                             |             | 1 (2%)      |              |               |               |
| Hemangiosarcoma                        | 1 (2%)      | 1 (2%)      |              |               |               |
| Polyp Stromal                          | 4 (9%)      | 3 (6%)      |              | 1 (2%)        | 1 (2%)        |
| Sarcoma Stromal                        | 2 (4%)      |             |              |               |               |
| Endometrium, Adenoma                   | 1 (2%)      |             | 1 (2%)       |               |               |
| Vagina                                 | (1)         | (0)         | (0)          | (0)           | (0)           |
| Squamous Cell Carcinoma                | 1 (100%)    |             |              |               |               |

## HEMATOPOIETIC SYSTEM

|  |        |        |        |      |         |
|--|--------|--------|--------|------|---------|
| Bone Marrow  | (43)   | (45)   | (47)   | (47) | (46)    |
| Hemangiosarcoma  |        |        |        |      | 1 (2%)  |
| Hemangiosarcoma, Metastatic, Liver                     |        |        | 1 (2%) |      |         |
| Lymph Node   | (12)   | (8)    | (5)    | (2)  | (8)     |
| Lumbar, Squamous Cell Carcinoma,<br>Metastatic, Vagina | 1 (8%) |        |        |      |         |
| Pancreatic, Fibrous Histiocytoma                       |        |        |        |      | 1 (13%) |
| Renal, Fibrous Histiocytoma                            |        |        |        |      | 1 (13%) |
| Lymph Node, Mandibular                                 | (43)   | (47)   | (47)   | (48) | (46)    |
| Lymph Node, Mesenteric                                 | (43)   | (47)   | (46)   | (46) | (43)    |
| Fibrous Histiocytoma                                   |        |        |        |      | 1 (2%)  |
| Spleen   | (45)   | (47)   | (47)   | (47) | (46)    |
| Fibrous Histiocytoma                                   |        |        |        |      | 1 (2%)  |
| Hemangiosarcoma  | 1 (2%) | 1 (2%) |        |      | 1 (2%)  |
| Thymus   | (37)   | (43)   | (45)   | (44) | (43)    |

## INTEGUMENTARY SYSTEM

|                |          |         |        |        |        |
|----------------|----------|---------|--------|--------|--------|
| Mammary Gland  | (45)     | (47)    | (47)   | (48)   | (45)   |
| Adenoacanthoma | 8 (18%)  | 1 (2%)  |        |        |        |
| Adenocarcinoma | 11 (24%) | 9 (19%) | 2 (4%) | 1 (2%) | 1 (2%) |

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

Test Type: CHRONIC

Glycidamide

Time Report Requested: 07:40:57

Route: DOSED WATER

CAS Number: 5694-00-8

First Dose M/F: 06/02/05 / 06/02/05

Species/Strain: MICE/B6C3F1/NCTR

Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE      | 0.70 GLYCID | 0.35 GLYCID | 0.175 GLYCID | 0.0875 GLYCID | CONTROL WATER |
|---|-------------|-------------|--------------|---------------|---------------|
| Skin  | (45)        | (47)        | (47)         | (48)          | (45)          |
| Squamous Cell Carcinoma                     |             | 1 (2%)      |              |               |               |
| Squamous Cell Papilloma                     |             | 1 (2%)      | 1 (2%)       |               |               |
| Ear, Basosquamous Tumor Malignant           | 1 (2%)      |             |              |               |               |
| Subcutaneous Tissue, Fibrosarcoma           | 8 (18%)     | 2 (4%)      | 2 (4%)       |               |               |
| Subcutaneous Tissue, Fibrosarcoma, Multiple | 1 (2%)      |             |              | 1 (2%)        |               |
| Subcutaneous Tissue, Fibrous Histiocytoma   |             | 1 (2%)      |              |               |               |
| Subcutaneous Tissue, Sarcoma                | 3 (7%)      | 3 (6%)      | 1 (2%)       |               |               |
| Subcutaneous Tissue, Schwannoma Malignant   | 1 (2%)      | 1 (2%)      | 1 (2%)       |               |               |

## MUSCULOSKELETAL SYSTEM

|   |          |         |      |      |      |
|---|----------|---------|------|------|------|
| Bone  | (1)      | (2)     | (1)  | (0)  | (0)  |
| Cranium, Rhabdomyosarcoma, Metastatic,<br>Skeletal Muscle |          | 1 (50%) |      |      |      |
| Vertebra, Osteosarcoma                                    | 1 (100%) |         |      |      |      |
| Bone, Femur   | (48)     | (48)    | (48) | (48) | (46) |
| Skeletal Muscle   | (45)     | (47)    | (47) | (48) | (46) |
| Fibrosarcoma, Metastatic, Skin                            | 1 (2%)   |         |      |      |      |
| Rhabdomyosarcoma  |          | 1 (2%)  |      |      |      |
| Sarcoma, Metastatic, Skin                                 | 1 (2%)   |         |      |      |      |

## NERVOUS SYSTEM

|                           |      |      |      |      |      |
|---------------------------|------|------|------|------|------|
| Brain, Brain Stem         | (44) | (45) | (47) | (47) | (45) |
| Brain, Cerebellum         | (44) | (45) | (47) | (47) | (45) |
| Brain, Cerebrum           | (44) | (45) | (47) | (47) | (45) |
| Peripheral Nerve, Sciatic | (44) | (45) | (47) | (47) | (45) |
| Spinal Cord, Cervical     | (43) | (45) | (47) | (44) | (45) |
| Spinal Cord, Lumbar       | (43) | (45) | (47) | (45) | (45) |
| Spinal Cord, Thoracic     | (43) | (45) | (47) | (44) | (45) |

## RESPIRATORY SYSTEM

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

Test Type: CHRONIC

Glycidamide

Time Report Requested: 07:40:57

Route: DOSED WATER

CAS Number: 5694-00-8

First Dose M/F: 06/02/05 / 06/02/05

Species/Strain: MICE/B6C3F1/NCTR

Lab: NCTR

| C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE              | 0.70 GLYCID | 0.35 GLYCID | 0.175 GLYCID | 0.0875 GLYCID | CONTROL WATER |
|---|-------------|-------------|--------------|---------------|---------------|
| Lung  | (44)        | (47)        | (47)         | (48)          | (46)          |
| Alveolar/Bronchiolar Adenoma                        | 7 (16%)     | 7 (15%)     | 3 (6%)       | 5 (10%)       | 3 (7%)        |
| Alveolar/Bronchiolar Adenoma, Multiple              | 2 (5%)      |             |              |               |               |
| Alveolar/Bronchiolar Carcinoma                      | 2 (5%)      | 1 (2%)      |              | 1 (2%)        | 1 (2%)        |
| Fibrosarcoma, Metastatic, Skin                      | 1 (2%)      |             |              |               |               |
| Granular Cell Tumor Malignant, Metastatic,<br>Ovary | 1 (2%)      |             |              |               |               |
| Osteosarcoma, Metastatic, Bone                      | 1 (2%)      |             |              |               |               |
| Nose  | (45)        | (46)        | (47)         | (46)          | (46)          |
| Rhabdomyosarcoma, Metastatic, Skeletal<br>Muscle    |             | 1 (2%)      |              |               |               |
| Trachea   | (43)        | (46)        | (46)         | (47)          | (45)          |

## SPECIAL SENSES SYSTEM

|  |          |          |          |          |        |
|--|----------|----------|----------|----------|--------|
| Eye  | (43)     | (44)     | (47)     | (44)     | (45)   |
| Rhabdomyosarcoma, Metastatic, Skeletal<br>Muscle |          | 1 (2%)   |          |          |        |
| Harderian Gland                                  | (46)     | (46)     | (47)     | (47)     | (45)   |
| Adenocarcinoma                                   |          |          | 1 (2%)   |          |        |
| Adenoma  | 27 (59%) | 17 (37%) | 17 (36%) | 18 (38%) | 2 (4%) |
| Bilateral, Adenoma                               | 13 (28%) | 7 (15%)  | 3 (6%)   | 1 (2%)   |        |

## URINARY SYSTEM

|                                     |        |      |      |      |      |
|-------------------------------------|--------|------|------|------|------|
| Kidney                              | (43)   | (46) | (47) | (47) | (46) |
| Urinary Bladder                     | (42)   | (46) | (47) | (46) | (45) |
| Sarcoma Stromal, Metastatic, Uterus | 1 (2%) |      |      |      |      |

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

\* Number of animals with any tissue examined microscopically

Experiment Number: 20314 - 04

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

Date Report Requested: 12/17/2014

Test Type: CHRONIC

Glycidamide

Time Report Requested: 07:40:57

Route: DOSED WATER

CAS Number: 5694-00-8

First Dose M/F: 06/02/05 / 06/02/05

Species/Strain: MICE/B6C3F1/NCTR

Lab: NCTR

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| C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE | 0.70 GLYCID | 0.35 GLYCID | 0.175 GLYCID | 0.0875 GLYCID | CONTROL WATER |
|--|-------------|-------------|--------------|---------------|---------------|
|--|-------------|-------------|--------------|---------------|---------------|

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SYSTEMIC LESIONS

|                     |         |         |         |         |         |
|---------------------|---------|---------|---------|---------|---------|
| Multiple Organ      | *(48)   | *(48)   | *(48)   | *(48)   | *(47)   |
| Histiocytic Sarcoma | 4 (8%)  | 1 (2%)  | 3 (6%)  | 3 (6%)  | 2 (4%)  |
| Leukemia            |         |         |         |         | 1 (2%)  |
| Lymphoma Malignant  | 6 (13%) | 5 (10%) | 7 (15%) | 5 (10%) | 8 (17%) |

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

\* Number of animals with any tissue examined microscopically

Experiment Number: 20314 - 04

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

Date Report Requested: 12/17/2014

Test Type: CHRONIC

Glycidamide

Time Report Requested: 07:40:57

Route: DOSED WATER

CAS Number: 5694-00-8

First Dose M/F: 06/02/05 / 06/02/05

Species/Strain: MICE/B6C3F1/NCTR

Lab: NCTR

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| C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE | 0.70 GLYCID | 0.35 GLYCID | 0.175 GLYCID | 0.0875 GLYCID | CONTROL WATER |
|--|-------------|-------------|--------------|---------------|---------------|
|--|-------------|-------------|--------------|---------------|---------------|

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**Tumor Summary for Females**

|  |     |    |    |    |    |
|--|-----|----|----|----|----|
| Total Animals with Primary Neoplasms (b)                         | 44  | 41 | 34 | 35 | 23 |
| Total Primary Neoplasms  | 128 | 80 | 50 | 43 | 33 |
| Total Animals with Benign Neoplasms                              | 42  | 35 | 27 | 26 | 10 |
| Total Benign Neoplasms   | 72  | 47 | 30 | 30 | 11 |
| Total Animals with Malignant Neoplasms                           | 37  | 25 | 19 | 13 | 15 |
| Total Malignant Neoplasms  | 56  | 33 | 20 | 13 | 22 |
| Total Animals with Metastatic Neoplasms                          | 8   | 1  | 1  |    |    |
| Total Metastatic Neoplasms                                       | 10  | 3  | 1  |    |    |
| Total Animals with Malignant Neoplasms<br>Uncertain Primary Site |     |    |    |    |    |
| Total Animals with Neoplasms Uncertain-<br>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