

**Experiment Number:** 93026-05

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a)**

**Test Compound:** Decalin

**CAS Number:** 91-17-8

**Date Report Requested:** 10/18/2014

**Time Report Requested:** 16:02:18

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

**Lab:** BNW

|                             |            |
|-----------------------------|------------|
| <b>C Number:</b>            | C93026     |
| <b>Lock Date:</b>           | 07/01/1997 |
| <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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Date Report Requested: 10/18/2014

Test Type: 90-DAY

Test Compound: Decalin

Time Report Requested: 16:02:18

Species/Strain: Rat/F 344/N

CAS Number: 91-17-8

First Dose M/F: NA / NA

Lab: BNW

| F 344/N Rat MALE                 | CONTROL | 25 PPM | 50 PPM | 100 PPM | 200 PPM | 400 PPM |
|----------------------------------|---------|--------|--------|---------|---------|---------|
| <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      | 10     | 10     | 10      | 10      | 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)    | (0)    | (0)    | (2)     | (0)     | (10)    |
| Pancreas                         | (10)    | (0)    | (0)    | (0)     | (0)     | (10)    |
| Salivary Glands                  | (10)    | (0)    | (0)    | (0)     | (0)     | (10)    |
| Stomach, Forestomach             | (10)    | (0)    | (0)    | (0)     | (0)     | (10)    |
| Diverticulum                     |         |        |        |         |         | 1 (10%) |
| Stomach, Glandular               | (10)    | (0)    | (0)    | (0)     | (0)     | (10)    |
| <b>CARDIOVASCULAR SYSTEM</b>     |         |        |        |         |         |         |
| 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)     | (9)     |
| Islets, Pancreatic               | (10)    | (0)    | (0)    | (0)     | (0)     | (10)    |
| Parathyroid Gland                | (7)     | (0)    | (0)    | (0)     | (0)     | (5)     |
| Pituitary Gland                  | (9)     | (0)    | (0)    | (0)     | (0)     | (10)    |

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

Experiment Number: 93026-05

## P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a)

Date Report Requested: 10/18/2014

Test Type: 90-DAY

Test Compound: Decalin

Time Report Requested: 16:02:19

Species/Strain: Rat/F 344/N

CAS Number: 91-17-8

First Dose M/F: NA / NA

Lab: BNW

| F 344/N Rat MALE                   | CONTROL | 25 PPM   | 50 PPM | 100 PPM  | 200 PPM  | 400 PPM |
|------------------------------------|---------|----------|--------|----------|----------|---------|
| Thyroid Gland                      | (9)     | (0)      | (0)    | (0)      | (0)      | (9)     |
| GENERAL BODY SYSTEM                |         |          |        |          |          |         |
| None                               |         |          |        |          |          |         |
| GENITAL SYSTEM                     |         |          |        |          |          |         |
| Epididymis                         | (10)    | (0)      | (0)    | (1)      | (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, Bronchial              | (8)     | (0)      | (0)    | (0)      | (0)      | (4)     |
| Lymph Node, Mandibular             | (10)    | (0)      | (0)    | (0)      | (0)      | (10)    |
| Lymph Node, Mediastinal            | (8)     | (0)      | (0)    | (0)      | (0)      | (8)     |
| Lymph Node, Mesenteric             | (10)    | (1)      | (0)    | (4)      | (1)      | (10)    |
| Inflammation, Granulomatous, Focal | 7 (70%) | 1 (100%) |        | 4 (100%) | 1 (100%) | 3 (30%) |
| Spleen                             | (10)    | (0)      | (0)    | (0)      | (0)      | (10)    |
| Thymus                             | (10)    | (0)      | (0)    | (0)      | (0)      | (10)    |
| INTEGUMENTARY SYSTEM               |         |          |        |          |          |         |
| Mammary Gland                      | (6)     | (0)      | (0)    | (0)      | (0)      | (3)     |
| 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                 |         |          |        |          |          |         |
| Larynx                             | (10)    | (0)      | (0)    | (0)      | (0)      | (10)    |

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

Experiment Number: 93026-05

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a)**

Test Compound: Decalin

CAS Number: 91-17-8

Date Report Requested: 10/18/2014

Time Report Requested: 16:02:19

First Dose M/F: NA / NA

Lab: BNW

| F 344/N Rat MALE                      | CONTROL   | 25 PPM    | 50 PPM    | 100 PPM   | 200 PPM   | 400 PPM   |
|---------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Lung                                  | (10)      | (0)       | (0)       | (0)       | (0)       | (10)      |
| Inflammation, Chronic, Focal          | 2 (20%)   |           |           |           |           | 1 (10%)   |
| Nose                                  | (10)      | (0)       | (0)       | (0)       | (0)       | (10)      |
| Trachea                               | (10)      | (0)       | (0)       | (0)       | (0)       | (10)      |
| SPECIAL SENSES SYSTEM                 |           |           |           |           |           |           |
| None                                  |           |           |           |           |           |           |
| URINARY SYSTEM                        |           |           |           |           |           |           |
| Kidney                                | (10)      | (10)      | (10)      | (10)      | (10)      | (10)      |
| Cortex, Accumulation, Hyaline Droplet | 10 (100%) | 10 (100%) | 10 (100%) | 10 (100%) | 10 (100%) | 10 (100%) |
| Cortex, Regeneration                  | 2 (20%)   | 10 (100%) | 10 (100%) | 10 (100%) | 10 (100%) | 10 (100%) |
| Medulla, Casts Granular               |           | 2 (20%)   | 7 (70%)   | 8 (80%)   | 10 (100%) | 10 (100%) |
| Urinary Bladder                       | (10)      | (0)       | (0)       | (0)       | (0)       | (10)      |

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

Experiment Number: 93026-05

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Test Type: 90-DAY

Test Compound: Decalin

Time Report Requested: 16:02:19

Species/Strain: Rat/F 344/N

CAS Number: 91-17-8

First Dose M/F: NA / NA

Lab: BNW

| F 344/N Rat FEMALE                 | CONTROL | 25 PPM   | 50 PPM   | 100 PPM  | 200 PPM  | 400 PPM |
|------------------------------------|---------|----------|----------|----------|----------|---------|
| <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      | 10       | 10       | 10       | 10       | 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            | (8)     | (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)    | (7)      | (7)      | (7)      | (8)      | (10)    |
| Eosinophilic Focus                 |         |          |          |          |          | 1 (10%) |
| Inflammation, Granulomatous, Focal | 7 (70%) | 7 (100%) | 7 (100%) | 7 (100%) | 8 (100%) | 6 (60%) |
| Necrosis                           |         |          |          |          | 1 (13%)  |         |
| Regeneration                       |         |          |          |          | 1 (13%)  |         |
| 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>       |         |          |          |          |          |         |
| 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)    |

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First Dose M/F: NA / NA

Lab: BNW

| F 344/N Rat FEMALE                 | CONTROL   | 25 PPM   | 50 PPM   | 100 PPM  | 200 PPM   | 400 PPM |
|------------------------------------|-----------|----------|----------|----------|-----------|---------|
| Islets, Pancreatic                 | (10)      | (0)      | (0)      | (0)      | (0)       | (10)    |
| Parathyroid Gland                  | (7)       | (0)      | (0)      | (0)      | (0)       | (8)     |
| 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)      | (0)      | (0)      | (0)      | (0)       | (10)    |
| Oviduct                            | (0)       | (0)      | (0)      | (0)      | (0)       | (2)     |
| Inflammation, Suppurative          |           |          |          |          |           | 1 (50%) |
| Uterus                             | (10)      | (0)      | (0)      | (0)      | (0)       | (10)    |
| Hydrometra                         |           |          |          |          |           | 1 (10%) |
| HEMATOPOIETIC SYSTEM               |           |          |          |          |           |         |
| Bone Marrow                        | (10)      | (0)      | (0)      | (0)      | (0)       | (10)    |
| Lymph Node, Bronchial              | (7)       | (0)      | (0)      | (0)      | (0)       | (7)     |
| Lymph Node, Mandibular             | (10)      | (0)      | (0)      | (0)      | (0)       | (9)     |
| Lymph Node, Mediastinal            | (9)       | (0)      | (0)      | (0)      | (0)       | (8)     |
| Lymph Node, Mesenteric             | (10)      | (9)      | (8)      | (7)      | (10)      | (10)    |
| Inflammation, Granulomatous, Focal | 10 (100%) | 9 (100%) | 8 (100%) | 7 (100%) | 10 (100%) | 9 (90%) |
| Spleen                             | (10)      | (0)      | (0)      | (0)      | (0)       | (10)    |
| Angiectasis                        |           |          |          |          |           | 1 (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)    |

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

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First Dose M/F: NA / NA

Lab: BNW

| F 344/N Rat FEMALE           | CONTROL | 25 PPM | 50 PPM | 100 PPM | 200 PPM | 400 PPM |
|------------------------------|---------|--------|--------|---------|---------|---------|
| NERVOUS SYSTEM               |         |        |        |         |         |         |
| Brain                        | (10)    | (0)    | (0)    | (0)     | (0)     | (10)    |
| RESPIRATORY SYSTEM           |         |        |        |         |         |         |
| Larynx                       | (10)    | (0)    | (0)    | (0)     | (0)     | (10)    |
| Lung                         | (10)    | (0)    | (0)    | (0)     | (0)     | (10)    |
| Hemorrhage                   |         |        |        |         |         | 1 (10%) |
| Inflammation, Chronic, Focal | 1 (10%) |        |        |         |         | 1 (10%) |
| Nose                         | (10)    | (0)    | (0)    | (0)     | (0)     | (10)    |
| Trachea                      | (10)    | (0)    | (0)    | (0)     | (0)     | (10)    |
| SPECIAL SENSES SYSTEM        |         |        |        |         |         |         |
| None                         |         |        |        |         |         |         |
| URINARY SYSTEM               |         |        |        |         |         |         |
| Kidney                       | (10)    | (0)    | (0)    | (0)     | (0)     | (10)    |
| Urinary Bladder              | (10)    | (0)    | (0)    | (0)     | (0)     | (10)    |

\*\* END OF REPORT \*\*