

Version: Jun2013
Contract/Lab: All Laboratories
Species: RATS
Strain: Wistar Han
Length of Study: CHRONIC

Toxicology Data Management System
Tumor Incidence for Selected Control Animal Groups
Route: GAVAGE
Vehicle: CORN OIL

Page: 4
Report Date: 06/12/2013

Study Summary

| Laboratory Name | Study Number | Study Start Date | Length of Study in Days | Number of Animals Total and (#/Cage) | Number Surviving and (Mean Life Span) | Maximum Mean Weekly Body Weight | Chemical |
|------------------------------|---------------------|-------------------------|--------------------------------|---|--|--|-----------------------|
| Male | | | | | | | |
| Battelle Columbus Laboratory | 052032003 | 07/25/07 | 727 | 50(3) | 33(642) | 662.9 | Tetrabromobisphenol A |
| Female | | | | | | | |
| Battelle Columbus Laboratory | 052032003 | 07/26/07 | 728 | 50(5) | 34(678) | 375.2 | Tetrabromobisphenol A |

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 Tumor Incidence for Selected Control Animal Groups
 Route: GAVAGE
 Vehicle: CORN OIL

Page: 5
 Report Date: 06/12/2013

| | | Male | | | Female | | |
|--------------------------------------|-------|-------------|----------|-------|-------------|-------------|----------------|
| #All Organs: | | | | | | | |
| Benign Tumors | | | | | | | |
| | | 30/50 (60%) | | | 38/50 (76%) | | |
| Overall Incidence | Total | 30/50 (60%) | Mean 60% | SD 0% | Total | 38/50 (76%) | Mean 76% SD 0% |
| | | | | | | | |
| #All Organs: | | | | | | | |
| Malignant Tumors | | | | | | | |
| | | 8/50 (16%) | | | 10/50 (20%) | | |
| Overall Incidence | Total | 8/50 (16%) | Mean 16% | SD 0% | Total | 10/50 (20%) | Mean 20% SD 0% |
| | | | | | | | |
| #All Organs: | | | | | | | |
| Malignant and Benign Tumors | | | | | | | |
| | | 34/50 (68%) | | | 40/50 (80%) | | |
| Overall Incidence | Total | 34/50 (68%) | Mean 68% | SD 0% | Total | 40/50 (80%) | Mean 80% SD 0% |
| | | | | | | | |
| #All Organs: | | | | | | | |
| Hemangioma | | | | | | | |
| | | 1/50 (2%) | | | 0/50 (0%) | | |
| Overall Incidence | Total | 1/50 (2%) | Mean 2% | SD 0% | Total | 0/50 (0%) | Mean 0% SD 0% |
| | | | | | | | |
| #All Organs: | | | | | | | |
| Hemangiosarcoma | | | | | | | |
| | | 3/50 (6%) | | | 2/50 (4%) | | |
| Overall Incidence | Total | 3/50 (6%) | Mean 6% | SD 0% | Total | 2/50 (4%) | Mean 4% SD 0% |
| | | | | | | | |
| #All Organs: | | | | | | | |
| Hemangiosarcoma or Hemangioma | | | | | | | |
| | | 4/50 (8%) | | | 2/50 (4%) | | |
| Overall Incidence | Total | 4/50 (8%) | Mean 8% | SD 0% | Total | 2/50 (4%) | Mean 4% SD 0% |

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

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 Tumor Incidence for Selected Control Animal Groups
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Page: 6
 Report Date: 06/12/2013

| | Male | | | | Female | | | |
|--|-------|-----------|---------|-------|-----------|-----------|---------|-------|
| #All Organs: | | | | | | | | |
| Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated | | | | | | | | |
| | | 1/50 (2%) | | | 0/50 (0%) | | | |
| Overall Incidence | Total | 1/50 (2%) | Mean 2% | SD 0% | Total | 0/50 (0%) | Mean 0% | SD 0% |
| | | | | | | | | |
| #All Organs: | | | | | | | | |
| Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type | | | | | | | | |
| | | 0/50 (0%) | | | 0/50 (0%) | | | |
| Overall Incidence | Total | 0/50 (0%) | Mean 0% | SD 0% | Total | 0/50 (0%) | Mean 0% | SD 0% |
| | | | | | | | | |
| #All Organs: | | | | | | | | |
| Mesothelioma: Benign, Malignant, NOS | | | | | | | | |
| | | 0/50 (0%) | | | 0/50 (0%) | | | |
| Overall Incidence | Total | 0/50 (0%) | Mean 0% | SD 0% | Total | 0/50 (0%) | Mean 0% | SD 0% |
| | | | | | | | | |
| #All Organs: | | | | | | | | |
| Mesothelioma: Malignant | | | | | | | | |
| | | 0/50 (0%) | | | 0/50 (0%) | | | |
| Overall Incidence | Total | 0/50 (0%) | Mean 0% | SD 0% | Total | 0/50 (0%) | Mean 0% | SD 0% |
| | | | | | | | | |
| #All Organs: | | | | | | | | |
| Osteoma | | | | | | | | |
| | | 0/50 (0%) | | | 0/50 (0%) | | | |
| Overall Incidence | Total | 0/50 (0%) | Mean 0% | SD 0% | Total | 0/50 (0%) | Mean 0% | SD 0% |
| | | | | | | | | |
| #All Organs: | | | | | | | | |
| Osteosarcoma | | | | | | | | |
| | | 0/50 (0%) | | | 0/50 (0%) | | | |
| Overall Incidence | Total | 0/50 (0%) | Mean 0% | SD 0% | Total | 0/50 (0%) | Mean 0% | SD 0% |
| | | | | | | | | |

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Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
 Route: GAVAGE
 Vehicle: CORN OIL

Page: 7
 Report Date: 06/12/2013

| | | Male | | | Female | | |
|--|-------|------|------|---------|--------|-------|--------------|
| #All Organs: | | | | | | | |
| Osteosarcoma or Osteoma | | | | | | | |
| | | 0/50 | (0%) | | 0/50 | (0%) | |
| Overall Incidence | Total | 0/50 | (0%) | Mean 0% | SD 0% | Total | 0/50 (0%) |
| | | | | | | | |
| *Adrenal Cortex: | | | | | | | |
| Adenoma | | | | | | | |
| | | 0/50 | (0%) | | 1/50 | (2%) | |
| Overall Incidence | Total | 0/50 | (0%) | Mean 0% | SD 0% | Total | 1/50 (2%) |
| | | | | | | | |
| *Adrenal Cortex: | | | | | | | |
| Carcinoma | | | | | | | |
| | | 0/50 | (0%) | | 1/50 | (2%) | |
| Overall Incidence | Total | 0/50 | (0%) | Mean 0% | SD 0% | Total | 1/50 (2%) |
| | | | | | | | |
| *Adrenal Medulla: | | | | | | | |
| Pheochromocytoma Benign | | | | | | | |
| | | 0/49 | (0%) | | 2/49 | (4%) | |
| Overall Incidence | Total | 0/49 | (0%) | Mean 0% | SD 0% | Total | 2/49 (4.08%) |
| | | | | | | | |
| *Adrenal Medulla: | | | | | | | |
| Pheochromocytoma Malignant | | | | | | | |
| | | 0/49 | (0%) | | 0/49 | (0%) | |
| Overall Incidence | Total | 0/49 | (0%) | Mean 0% | SD 0% | Total | 0/49 (0%) |
| | | | | | | | |
| *Adrenal Medulla: | | | | | | | |
| Pheochromocytoma: Benign, Complex, Malignant, NOS | | | | | | | |
| | | 0/49 | (0%) | | 2/49 | (4%) | |
| Overall Incidence | Total | 0/49 | (0%) | Mean 0% | SD 0% | Total | 2/49 (4.08%) |
| | | | | | | | |

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

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Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
 Route: GAVAGE
 Vehicle: CORN OIL

Page: 8
 Report Date: 06/12/2013

| | Male | | | | Female | | | |
|--------------------------------|-------|------|------|---------|--------|-------|---------|-------|
| #Blood Vessel: | | | | | | | | |
| Hemangiosarcoma | | | | | | | | |
| | | 1/50 | (2%) | | | 0/50 | (0%) | |
| Overall Incidence | Total | 1/50 | (2%) | Mean 2% | SD 0% | Total | 0/50 | (0%) |
| | | | | | | | Mean 0% | SD 0% |
| | | | | | | | | |
| *Bone Marrow: | | | | | | | | |
| Hemangiosarcoma | | | | | | | | |
| | | 0/50 | (0%) | | | 0/50 | (0%) | |
| Overall Incidence | Total | 0/50 | (0%) | Mean 0% | SD 0% | Total | 0/50 | (0%) |
| | | | | | | | Mean 0% | SD 0% |
| | | | | | | | | |
| #Bone: | | | | | | | | |
| Osteoma | | | | | | | | |
| | | 0/50 | (0%) | | | 0/50 | (0%) | |
| Overall Incidence | Total | 0/50 | (0%) | Mean 0% | SD 0% | Total | 0/50 | (0%) |
| | | | | | | | Mean 0% | SD 0% |
| | | | | | | | | |
| #Bone: | | | | | | | | |
| Osteosarcoma | | | | | | | | |
| | | 0/50 | (0%) | | | 0/50 | (0%) | |
| Overall Incidence | Total | 0/50 | (0%) | Mean 0% | SD 0% | Total | 0/50 | (0%) |
| | | | | | | | Mean 0% | SD 0% |
| | | | | | | | | |
| #Bone: | | | | | | | | |
| Osteosarcoma or Osteoma | | | | | | | | |
| | | 0/50 | (0%) | | | 0/50 | (0%) | |
| Overall Incidence | Total | 0/50 | (0%) | Mean 0% | SD 0% | Total | 0/50 | (0%) |
| | | | | | | | Mean 0% | SD 0% |
| | | | | | | | | |
| #Bone: | | | | | | | | |
| Sarcoma | | | | | | | | |
| | | 0/50 | (0%) | | | 0/50 | (0%) | |
| Overall Incidence | Total | 0/50 | (0%) | Mean 0% | SD 0% | Total | 0/50 | (0%) |
| | | | | | | | Mean 0% | SD 0% |

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 #: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: Wistar Han
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Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
 Route: GAVAGE
 Vehicle: CORN OIL

Page: 9
 Report Date: 06/12/2013

| | | Male | | | | Female | | | |
|--|-------|------|------|---------|-------|--------|------|------|---------------|
| *Brain: | | | | | | | | | |
| Glioma | | | | | | | | | |
| | | 0/50 | (0%) | | | 0/50 | (0%) | | |
| Overall Incidence | Total | 0/50 | (0%) | Mean 0% | SD 0% | Total | 0/50 | (0%) | Mean 0% SD 0% |
| | | | | | | | | | |
| *Brain: | | | | | | | | | |
| Glioma Malignant | | | | | | | | | |
| | | 0/50 | (0%) | | | 0/50 | (0%) | | |
| Overall Incidence | Total | 0/50 | (0%) | Mean 0% | SD 0% | Total | 0/50 | (0%) | Mean 0% SD 0% |
| | | | | | | | | | |
| *Brain: | | | | | | | | | |
| Granular Cell Tumor Benign | | | | | | | | | |
| | | 1/50 | (2%) | | | 0/50 | (0%) | | |
| Overall Incidence | Total | 1/50 | (2%) | Mean 2% | SD 0% | Total | 0/50 | (0%) | Mean 0% SD 0% |
| | | | | | | | | | |
| *Brain: | | | | | | | | | |
| Meningioma Malignant | | | | | | | | | |
| | | 0/50 | (0%) | | | 0/50 | (0%) | | |
| Overall Incidence | Total | 0/50 | (0%) | Mean 0% | SD 0% | Total | 0/50 | (0%) | Mean 0% SD 0% |
| | | | | | | | | | |
| *Brain: | | | | | | | | | |
| Meningioma: Benign, Malignant, NOS | | | | | | | | | |
| | | 0/50 | (0%) | | | 0/50 | (0%) | | |
| Overall Incidence | Total | 0/50 | (0%) | Mean 0% | SD 0% | Total | 0/50 | (0%) | Mean 0% SD 0% |
| | | | | | | | | | |
| *Brain: | | | | | | | | | |
| Oligodendroglioma, Glioma, or Astrocytoma | | | | | | | | | |
| | | 0/50 | (0%) | | | 0/50 | (0%) | | |
| Overall Incidence | Total | 0/50 | (0%) | Mean 0% | SD 0% | Total | 0/50 | (0%) | Mean 0% SD 0% |
| | | | | | | | | | |

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#: Denominator is number of animals necropsied

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 Contract/Lab: All Laboratories
 Species: RATS
 Strain: Wistar Han
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
 Route: GAVAGE
 Vehicle: CORN OIL

Page: 10
 Report Date: 06/12/2013

| | | Male | | | | Female | | | |
|---|-------|-----------|---------|-------|-------|-----------|---------|-------|--|
| *Clitoral/Preputial Gland: Carcinoma | | | | | | | | | |
| Overall Incidence | Total | 0/50 (0%) | Mean 0% | SD 0% | Total | 0/50 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| *Clitoral/Preputial Gland: Carcinoma or Adenoma | | | | | | | | | |
| Overall Incidence | Total | 0/50 (0%) | Mean 0% | SD 0% | Total | 0/50 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| *Heart: Schwannoma Benign | | | | | | | | | |
| Overall Incidence | Total | 0/50 (0%) | Mean 0% | SD 0% | Total | 1/50 (2%) | Mean 2% | SD 0% | |
| | | | | | | | | | |
| #Intestine Small: Duodenum: Leiomyosarcoma | | | | | | | | | |
| Overall Incidence | Total | 0/50 (0%) | Mean 0% | SD 0% | Total | 1/50 (2%) | Mean 2% | SD 0% | |
| | | | | | | | | | |
| #Intestine Small: Jejunum: Leiomyosarcoma | | | | | | | | | |
| Overall Incidence | Total | 0/50 (0%) | Mean 0% | SD 0% | Total | 0/50 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | |
| #Intestine Small: Site Unspecified: Leiomyosarcoma | | | | | | | | | |
| Overall Incidence | Total | 0/50 (0%) | Mean 0% | SD 0% | Total | 1/50 (2%) | Mean 2% | SD 0% | |
| | | | | | | | | | |
| *: Denominator is number of animals with tissues examined microscopically | | | | | | | | | |
| #: Denominator is number of animals necropsied | | | | | | | | | |

Version: Jun2013
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 Species: RATS
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Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
 Route: GAVAGE
 Vehicle: CORN OIL

Page: 11
 Report Date: 06/12/2013

| | | Male | | | Female | | |
|---|-------|-----------|---------|-------|-----------|-----------|---------------|
| *Islets, Pancreatic: | | | | | | | |
| Adenoma | | | | | | | |
| | | 1/50 (2%) | | | 0/50 (0%) | | |
| Overall Incidence | Total | 1/50 (2%) | Mean 2% | SD 0% | Total | 0/50 (0%) | Mean 0% SD 0% |
| | | | | | | | |
| *Islets, Pancreatic: | | | | | | | |
| Carcinoma or Adenoma | | | | | | | |
| | | 1/50 (2%) | | | 0/50 (0%) | | |
| Overall Incidence | Total | 1/50 (2%) | Mean 2% | SD 0% | Total | 0/50 (0%) | Mean 0% SD 0% |
| | | | | | | | |
| *Kidney: Pelvis and Transitional Epithelium: | | | | | | | |
| Papilloma | | | | | | | |
| | | 0/50 (0%) | | | 0/50 (0%) | | |
| Overall Incidence | Total | 0/50 (0%) | Mean 0% | SD 0% | Total | 0/50 (0%) | Mean 0% SD 0% |
| | | | | | | | |
| *Kidney: Renal Tubule: | | | | | | | |
| Adenoma | | | | | | | |
| | | 0/50 (0%) | | | 0/50 (0%) | | |
| Overall Incidence | Total | 0/50 (0%) | Mean 0% | SD 0% | Total | 0/50 (0%) | Mean 0% SD 0% |
| | | | | | | | |
| *Kidney: Renal Tubule: | | | | | | | |
| Carcinoma or Adenoma | | | | | | | |
| | | 0/50 (0%) | | | 0/50 (0%) | | |
| Overall Incidence | Total | 0/50 (0%) | Mean 0% | SD 0% | Total | 0/50 (0%) | Mean 0% SD 0% |
| | | | | | | | |
| *Kidney: Renal Tubule: | | | | | | | |
| Lipoma | | | | | | | |
| | | 0/50 (0%) | | | 0/50 (0%) | | |
| Overall Incidence | Total | 0/50 (0%) | Mean 0% | SD 0% | Total | 0/50 (0%) | Mean 0% SD 0% |

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 Species: RATS
 Strain: Wistar Han
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Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
 Route: GAVAGE
 Vehicle: CORN OIL

Page: 12
 Report Date: 06/12/2013

| | | Male | | | | Female | | | |
|--|-------|------|------|---------|-------|--------|------|------|---------------|
| *Kidney: Renal Tubule: | | | | | | | | | |
| Liposarcoma | | | | | | | | | |
| | | 0/50 | (0%) | | | 0/50 | (0%) | | |
| Overall Incidence | Total | 0/50 | (0%) | Mean 0% | SD 0% | Total | 0/50 | (0%) | Mean 0% SD 0% |
| | | | | | | | | | |
| *Liver: | | | | | | | | | |
| Hepatocellular Adenoma | | | | | | | | | |
| | | 0/50 | (0%) | | | 1/50 | (2%) | | |
| Overall Incidence | Total | 0/50 | (0%) | Mean 0% | SD 0% | Total | 1/50 | (2%) | Mean 2% SD 0% |
| | | | | | | | | | |
| *Liver: | | | | | | | | | |
| Hepatocellular Carcinoma or Hepatocellular Adenoma | | | | | | | | | |
| | | 0/50 | (0%) | | | 1/50 | (2%) | | |
| Overall Incidence | Total | 0/50 | (0%) | Mean 0% | SD 0% | Total | 1/50 | (2%) | Mean 2% SD 0% |
| | | | | | | | | | |
| *Liver: | | | | | | | | | |
| Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma | | | | | | | | | |
| | | 0/50 | (0%) | | | 1/50 | (2%) | | |
| Overall Incidence | Total | 0/50 | (0%) | Mean 0% | SD 0% | Total | 1/50 | (2%) | Mean 2% SD 0% |
| | | | | | | | | | |
| *Lung: | | | | | | | | | |
| Alveolar/Bronchiolar Adenoma | | | | | | | | | |
| | | 0/50 | (0%) | | | 0/50 | (0%) | | |
| Overall Incidence | Total | 0/50 | (0%) | Mean 0% | SD 0% | Total | 0/50 | (0%) | Mean 0% SD 0% |
| | | | | | | | | | |
| *Lung: | | | | | | | | | |
| Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma | | | | | | | | | |
| | | 0/50 | (0%) | | | 0/50 | (0%) | | |
| Overall Incidence | Total | 0/50 | (0%) | Mean 0% | SD 0% | Total | 0/50 | (0%) | Mean 0% SD 0% |
| | | | | | | | | | |

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 Tumor Incidence for Selected Control Animal Groups
 Route: GAVAGE
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Page: 13
 Report Date: 06/12/2013

| | | Male | | | Female | | |
|---|-------|------|------|---------|--------|-------|------------|
| #Lymph Node, Mesenteric: Hemangioma | | | | | | | |
| | | 1/50 | (2%) | | 0/50 | (0%) | |
| Overall Incidence | Total | 1/50 | (2%) | Mean 2% | SD 0% | Total | 0/50 (0%) |
| | | | | | | | Mean 0% |
| | | | | | | | SD 0% |
| #Lymph Node, Mesenteric: Hemangiosarcoma | | | | | | | |
| | | 1/50 | (2%) | | 1/50 | (2%) | |
| Overall Incidence | Total | 1/50 | (2%) | Mean 2% | SD 0% | Total | 1/50 (2%) |
| | | | | | | | Mean 2% |
| | | | | | | | SD 0% |
| #Mammary Gland: Adenoma | | | | | | | |
| | | 0/50 | (0%) | | 4/50 | (8%) | |
| Overall Incidence | Total | 0/50 | (0%) | Mean 0% | SD 0% | Total | 4/50 (8%) |
| | | | | | | | Mean 8% |
| | | | | | | | SD 0% |
| #Mammary Gland: Carcinoma | | | | | | | |
| | | 0/50 | (0%) | | 1/50 | (2%) | |
| Overall Incidence | Total | 0/50 | (0%) | Mean 0% | SD 0% | Total | 1/50 (2%) |
| | | | | | | | Mean 2% |
| | | | | | | | SD 0% |
| #Mammary Gland: Carcinoma or Adenoma | | | | | | | |
| | | 0/50 | (0%) | | 4/50 | (8%) | |
| Overall Incidence | Total | 0/50 | (0%) | Mean 0% | SD 0% | Total | 4/50 (8%) |
| | | | | | | | Mean 8% |
| | | | | | | | SD 0% |
| #Mammary Gland: Fibroadenoma | | | | | | | |
| | | 1/50 | (2%) | | 8/50 | (16%) | |
| Overall Incidence | Total | 1/50 | (2%) | Mean 2% | SD 0% | Total | 8/50 (16%) |
| | | | | | | | Mean 16% |
| | | | | | | | SD 0% |

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#: Denominator is number of animals necropsied

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Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
 Route: GAVAGE
 Vehicle: CORN OIL

Page: 14
 Report Date: 06/12/2013

| | | Male | | | Female | | |
|---|-------|------|------|---------|--------|-------|-------------|
| #Mammary Gland: | | | | | | | |
| Fibroma, Fibroadenoma or Adenoma | | | | | | | |
| | | 1/50 | (2%) | | 12/50 | (24%) | |
| Overall Incidence | Total | 1/50 | (2%) | Mean 2% | SD 0% | Total | 12/50 (24%) |
| | | | | | | | Mean 24% |
| | | | | | | | SD 0% |
| #Mammary Gland: | | | | | | | |
| Fibroma, Fibroadenoma, Carcinoma, or Adenoma | | | | | | | |
| | | 1/50 | (2%) | | 12/50 | (24%) | |
| Overall Incidence | Total | 1/50 | (2%) | Mean 2% | SD 0% | Total | 12/50 (24%) |
| | | | | | | | Mean 24% |
| | | | | | | | SD 0% |
| #Mesentery: | | | | | | | |
| Hemangiosarcoma | | | | | | | |
| | | 0/50 | (0%) | | 0/50 | (0%) | |
| Overall Incidence | Total | 0/50 | (0%) | Mean 0% | SD 0% | Total | 0/50 (0%) |
| | | | | | | | Mean 0% |
| | | | | | | | SD 0% |
| #Mesentery: | | | | | | | |
| Schwannoma Malignant | | | | | | | |
| | | 0/50 | (0%) | | 0/50 | (0%) | |
| Overall Incidence | Total | 0/50 | (0%) | Mean 0% | SD 0% | Total | 0/50 (0%) |
| | | | | | | | Mean 0% |
| | | | | | | | SD 0% |
| *Nose: | | | | | | | |
| Olfactory Neuroblastoma | | | | | | | |
| | | 0/50 | (0%) | | 1/50 | (2%) | |
| Overall Incidence | Total | 0/50 | (0%) | Mean 0% | SD 0% | Total | 1/50 (2%) |
| | | | | | | | Mean 2% |
| | | | | | | | SD 0% |
| #Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva): | | | | | | | |
| Squamous Cell Carcinoma | | | | | | | |
| | | 0/50 | (0%) | | 0/50 | (0%) | |
| Overall Incidence | Total | 0/50 | (0%) | Mean 0% | SD 0% | Total | 0/50 (0%) |
| | | | | | | | Mean 0% |
| | | | | | | | SD 0% |

*: Denominator is number of animals with tissues examined microscopically
 #: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: Wistar Han
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
 Route: GAVAGE
 Vehicle: CORN OIL

Page: 15
 Report Date: 06/12/2013

| | Male | | | | Female | | | |
|---|-------|-----------|---------|-------|-----------|-----------|---------|-------|
| #Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva): Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma | | | | | | | | |
| | | 0/50 (0%) | | | 0/50 (0%) | | | |
| Overall Incidence | Total | 0/50 (0%) | Mean 0% | SD 0% | Total | 0/50 (0%) | Mean 0% | SD 0% |
| | | | | | | | | |
| #Oral Mucosa: Squamous Cell Carcinoma | | | | | | | | |
| | | 0/50 (0%) | | | 0/50 (0%) | | | |
| Overall Incidence | Total | 0/50 (0%) | Mean 0% | SD 0% | Total | 0/50 (0%) | Mean 0% | SD 0% |
| | | | | | | | | |
| *Ovary: Granulosa Cell Tumor Benign | | | | | | | | |
| | | | | | 0/50 (0%) | | | |
| Overall Incidence | Total | | | | 0/50 (0%) | Mean 0% | SD 0% | |
| | | | | | | | | |
| *Ovary: Granulosa Cell Tumor Malignant | | | | | | | | |
| | | | | | 1/50 (2%) | | | |
| Overall Incidence | Total | | | | 1/50 (2%) | Mean 2% | SD 0% | |
| | | | | | | | | |
| *Ovary: Granulosa Cell Tumor: Benign, Malignant, NOS | | | | | | | | |
| | | | | | 1/50 (2%) | | | |
| Overall Incidence | Total | | | | 1/50 (2%) | Mean 2% | SD 0% | |
| | | | | | | | | |
| *Ovary: Sex Cord Stromal Tumor, Benign | | | | | | | | |
| | | | | | 2/50 (4%) | | | |
| Overall Incidence | Total | | | | 2/50 (4%) | Mean 4% | SD 0% | |
| | | | | | | | | |

*: Denominator is number of animals with tissues examined microscopically
 #: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: Wistar Han
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
 Route: GAVAGE
 Vehicle: CORN OIL

Page: 16
 Report Date: 06/12/2013

| | Male | | | | Female | | | |
|---|-------|-------------|----------|-------|--------|-------------|----------|-------|
| *Pancreas: | | | | | | | | |
| Adenoma | | | | | | | | |
| | | 1/50 (2%) | | | | 0/50 (0%) | | |
| Overall Incidence | Total | 1/50 (2%) | Mean 2% | SD 0% | Total | 0/50 (0%) | Mean 0% | SD 0% |
| | | | | | | | | |
| *Pancreas: | | | | | | | | |
| Carcinoma or Adenoma | | | | | | | | |
| | | 1/50 (2%) | | | | 0/50 (0%) | | |
| Overall Incidence | Total | 1/50 (2%) | Mean 2% | SD 0% | Total | 0/50 (0%) | Mean 0% | SD 0% |
| | | | | | | | | |
| *Pituitary Gland: Pars Distalis or Unspecified Site: | | | | | | | | |
| Adenoma | | | | | | | | |
| | | 21/50 (42%) | | | | 21/50 (42%) | | |
| Overall Incidence | Total | 21/50 (42%) | Mean 42% | SD 0% | Total | 21/50 (42%) | Mean 42% | SD 0% |
| | | | | | | | | |
| *Pituitary Gland: Pars Distalis or Unspecified Site: | | | | | | | | |
| Carcinoma or Adenoma | | | | | | | | |
| | | 21/50 (42%) | | | | 21/50 (42%) | | |
| Overall Incidence | Total | 21/50 (42%) | Mean 42% | SD 0% | Total | 21/50 (42%) | Mean 42% | SD 0% |
| | | | | | | | | |
| *Pituitary Gland: Pars Intermedia: | | | | | | | | |
| Adenoma | | | | | | | | |
| | | 2/50 (4%) | | | | 4/50 (8%) | | |
| Overall Incidence | Total | 2/50 (4%) | Mean 4% | SD 0% | Total | 4/50 (8%) | Mean 8% | SD 0% |
| | | | | | | | | |
| *Pituitary Gland: Pars Intermedia: | | | | | | | | |
| Carcinoma or Adenoma | | | | | | | | |
| | | 2/50 (4%) | | | | 4/50 (8%) | | |
| Overall Incidence | Total | 2/50 (4%) | Mean 4% | SD 0% | Total | 4/50 (8%) | Mean 8% | SD 0% |

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: Wistar Han
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
 Route: GAVAGE
 Vehicle: CORN OIL

Page: 17
 Report Date: 06/12/2013

| | | Male | | | | Female | | | |
|-----------------------------|-------|------|------|---------|-------|--------|------|---------|-------|
| *Prostate: | | | | | | | | | |
| Adenoma | | | | | | | | | |
| | | 0/50 | (0%) | | | | | | |
| Overall Incidence | Total | 0/50 | (0%) | Mean 0% | SD 0% | | | | |
| | | | | | | | | | |
| *Prostate: | | | | | | | | | |
| Carcinoma or Adenoma | | | | | | | | | |
| | | 0/50 | (0%) | | | | | | |
| Overall Incidence | Total | 0/50 | (0%) | Mean 0% | SD 0% | | | | |
| | | | | | | | | | |
| *Salivary Glands: | | | | | | | | | |
| Myoepithelioma | | | | | | | | | |
| | | 1/50 | (2%) | | | 0/50 | (0%) | | |
| Overall Incidence | Total | 1/50 | (2%) | Mean 2% | SD 0% | 0/50 | (0%) | Mean 0% | SD 0% |
| | | | | | | | | | |
| *Salivary Glands: | | | | | | | | | |
| Schwannoma Malignant | | | | | | | | | |
| | | 0/50 | (0%) | | | 0/50 | (0%) | | |
| Overall Incidence | Total | 0/50 | (0%) | Mean 0% | SD 0% | 0/50 | (0%) | Mean 0% | SD 0% |
| | | | | | | | | | |
| #Seminal Vesicle: | | | | | | | | | |
| Adenoma | | | | | | | | | |
| | | 0/50 | (0%) | | | | | | |
| Overall Incidence | Total | 0/50 | (0%) | Mean 0% | SD 0% | | | | |
| | | | | | | | | | |
| #Skeletal Muscle: | | | | | | | | | |
| Sarcoma | | | | | | | | | |
| | | 1/50 | (2%) | | | 0/50 | (0%) | | |
| Overall Incidence | Total | 1/50 | (2%) | Mean 2% | SD 0% | 0/50 | (0%) | Mean 0% | SD 0% |
| | | | | | | | | | |

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: Wistar Han
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
 Route: GAVAGE
 Vehicle: CORN OIL

Page: 18
 Report Date: 06/12/2013

| Male | | | | | Female | | | | |
|--|-------|------|------|---------|--------|-------|------|------|---------|
| #Skin: | | | | | | | | | |
| Basal Cell Adenoma | | | | | | | | | |
| | | 2/50 | (4%) | | | 0/50 | (0%) | | |
| Overall Incidence | Total | 2/50 | (4%) | Mean 4% | SD 0% | Total | 0/50 | (0%) | Mean 0% |
| | | | | | | | | | SD 0% |
| | | | | | | | | | |
| #Skin: | | | | | | | | | |
| Basal Cell Adenoma or Basosquamous Tumor Benign | | | | | | | | | |
| | | 2/50 | (4%) | | | 0/50 | (0%) | | |
| Overall Incidence | Total | 2/50 | (4%) | Mean 4% | SD 0% | Total | 0/50 | (0%) | Mean 0% |
| | | | | | | | | | SD 0% |
| | | | | | | | | | |
| #Skin: | | | | | | | | | |
| Basal Cell Adenoma, Basosquamous Tumor Benign, or Trichoepithelioma | | | | | | | | | |
| | | 2/50 | (4%) | | | 0/50 | (0%) | | |
| Overall Incidence | Total | 2/50 | (4%) | Mean 4% | SD 0% | Total | 0/50 | (0%) | Mean 0% |
| | | | | | | | | | SD 0% |
| | | | | | | | | | |
| #Skin: | | | | | | | | | |
| Basal Cell Carcinoma | | | | | | | | | |
| | | 1/50 | (2%) | | | 0/50 | (0%) | | |
| Overall Incidence | Total | 1/50 | (2%) | Mean 2% | SD 0% | Total | 0/50 | (0%) | Mean 0% |
| | | | | | | | | | SD 0% |
| | | | | | | | | | |
| #Skin: | | | | | | | | | |
| Basal Cell Carcinoma or Basosquamous Tumor (malignant or NOS) | | | | | | | | | |
| | | 1/50 | (2%) | | | 0/50 | (0%) | | |
| Overall Incidence | Total | 1/50 | (2%) | Mean 2% | SD 0% | Total | 0/50 | (0%) | Mean 0% |
| | | | | | | | | | SD 0% |
| | | | | | | | | | |
| #Skin: | | | | | | | | | |
| Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma | | | | | | | | | |
| | | 2/50 | (4%) | | | 0/50 | (0%) | | |
| Overall Incidence | Total | 2/50 | (4%) | Mean 4% | SD 0% | Total | 0/50 | (0%) | Mean 0% |
| | | | | | | | | | SD 0% |

*: Denominator is number of animals with tissues examined microscopically
 #: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: Wistar Han
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
 Route: GAVAGE
 Vehicle: CORN OIL

Page: 19
 Report Date: 06/12/2013

| | Male | | | | Female | | | |
|--|-------|------------|----------|-------|-----------|-----------|---------|-------|
| #Skin: | | | | | | | | |
| Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma | | | | | | | | |
| | | 7/50 (14%) | | | 0/50 (0%) | | | |
| Overall Incidence | Total | 7/50 (14%) | Mean 14% | SD 0% | Total | 0/50 (0%) | Mean 0% | SD 0% |
| #Skin: | | | | | | | | |
| Fibroma | | | | | | | | |
| | | 0/50 (0%) | | | 0/50 (0%) | | | |
| Overall Incidence | Total | 0/50 (0%) | Mean 0% | SD 0% | Total | 0/50 (0%) | Mean 0% | SD 0% |
| #Skin: | | | | | | | | |
| Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma | | | | | | | | |
| | | 0/50 (0%) | | | 0/50 (0%) | | | |
| Overall Incidence | Total | 0/50 (0%) | Mean 0% | SD 0% | Total | 0/50 (0%) | Mean 0% | SD 0% |
| #Skin: | | | | | | | | |
| Fibrosarcoma | | | | | | | | |
| | | 0/50 (0%) | | | 0/50 (0%) | | | |
| Overall Incidence | Total | 0/50 (0%) | Mean 0% | SD 0% | Total | 0/50 (0%) | Mean 0% | SD 0% |
| #Skin: | | | | | | | | |
| Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma | | | | | | | | |
| | | 0/50 (0%) | | | 0/50 (0%) | | | |
| Overall Incidence | Total | 0/50 (0%) | Mean 0% | SD 0% | Total | 0/50 (0%) | Mean 0% | SD 0% |
| #Skin: | | | | | | | | |
| Hamartoma | | | | | | | | |
| | | 0/50 (0%) | | | 0/50 (0%) | | | |
| Overall Incidence | Total | 0/50 (0%) | Mean 0% | SD 0% | Total | 0/50 (0%) | Mean 0% | SD 0% |

*: Denominator is number of animals with tissues examined microscopically
 #: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: Wistar Han
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
 Route: GAVAGE
 Vehicle: CORN OIL

Page: 20
 Report Date: 06/12/2013

| | | Male | | | Female | | |
|--|-------|-----------|---------|-------|-----------|-----------|---------------|
| #Skin: | | | | | | | |
| Hemangiosarcoma | | | | | | | |
| | | 0/50 (0%) | | | 1/50 (2%) | | |
| Overall Incidence | Total | 0/50 (0%) | Mean 0% | SD 0% | Total | 1/50 (2%) | Mean 2% SD 0% |
| | | | | | | | |
| #Skin: | | | | | | | |
| Keratoacanthoma | | | | | | | |
| | | 4/50 (8%) | | | 0/50 (0%) | | |
| Overall Incidence | Total | 4/50 (8%) | Mean 8% | SD 0% | Total | 0/50 (0%) | Mean 0% SD 0% |
| | | | | | | | |
| #Skin: | | | | | | | |
| Lipoma | | | | | | | |
| | | 0/50 (0%) | | | 0/50 (0%) | | |
| Overall Incidence | Total | 0/50 (0%) | Mean 0% | SD 0% | Total | 0/50 (0%) | Mean 0% SD 0% |
| | | | | | | | |
| #Skin: | | | | | | | |
| Liposarcoma | | | | | | | |
| | | 0/50 (0%) | | | 0/50 (0%) | | |
| Overall Incidence | Total | 0/50 (0%) | Mean 0% | SD 0% | Total | 0/50 (0%) | Mean 0% SD 0% |
| | | | | | | | |
| #Skin: | | | | | | | |
| Neurofibrosarcoma or Schwannoma (malignant or NOS) | | | | | | | |
| | | 2/50 (4%) | | | 0/50 (0%) | | |
| Overall Incidence | Total | 2/50 (4%) | Mean 4% | SD 0% | Total | 0/50 (0%) | Mean 0% SD 0% |
| | | | | | | | |
| #Skin: | | | | | | | |
| Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS) | | | | | | | |
| | | 2/50 (4%) | | | 0/50 (0%) | | |
| Overall Incidence | Total | 2/50 (4%) | Mean 4% | SD 0% | Total | 0/50 (0%) | Mean 0% SD 0% |

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: Wistar Han
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
 Route: GAVAGE
 Vehicle: CORN OIL

Page: 21
 Report Date: 06/12/2013

| | Male | | | | Female | | | |
|---|-------|------|-------|----------|--------|-------|---------|-------|
| #Skin: | | | | | | | | |
| Schwannoma Malignant | | | | | | | | |
| | | 2/50 | (4%) | | | 0/50 | (0%) | |
| Overall Incidence | Total | 2/50 | (4%) | Mean 4% | SD 0% | Total | 0/50 | (0%) |
| | | | | | | | Mean 0% | SD 0% |
| | | | | | | | | |
| #Skin: | | | | | | | | |
| Squamous Cell Carcinoma | | | | | | | | |
| | | 0/50 | (0%) | | | 0/50 | (0%) | |
| Overall Incidence | Total | 0/50 | (0%) | Mean 0% | SD 0% | Total | 0/50 | (0%) |
| | | | | | | | Mean 0% | SD 0% |
| | | | | | | | | |
| #Skin: | | | | | | | | |
| Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma | | | | | | | | |
| | | 1/50 | (2%) | | | 0/50 | (0%) | |
| Overall Incidence | Total | 1/50 | (2%) | Mean 2% | SD 0% | Total | 0/50 | (0%) |
| | | | | | | | Mean 0% | SD 0% |
| | | | | | | | | |
| #Skin: | | | | | | | | |
| Squamous Cell Papilloma | | | | | | | | |
| | | 1/50 | (2%) | | | 0/50 | (0%) | |
| Overall Incidence | Total | 1/50 | (2%) | Mean 2% | SD 0% | Total | 0/50 | (0%) |
| | | | | | | | Mean 0% | SD 0% |
| | | | | | | | | |
| #Skin: | | | | | | | | |
| Squamous Cell Papilloma or Papilloma | | | | | | | | |
| | | 1/50 | (2%) | | | 0/50 | (0%) | |
| Overall Incidence | Total | 1/50 | (2%) | Mean 2% | SD 0% | Total | 0/50 | (0%) |
| | | | | | | | Mean 0% | SD 0% |
| | | | | | | | | |
| #Skin: | | | | | | | | |
| Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma | | | | | | | | |
| | | 5/50 | (10%) | | | 0/50 | (0%) | |
| Overall Incidence | Total | 5/50 | (10%) | Mean 10% | SD 0% | Total | 0/50 | (0%) |
| | | | | | | | Mean 0% | SD 0% |

*: Denominator is number of animals with tissues examined microscopically
 #: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: Wistar Han
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
 Route: GAVAGE
 Vehicle: CORN OIL

Page: 22
 Report Date: 06/12/2013

| | Male | | | | Female | | | |
|---|-------|------------|----------|-------|-----------|-----------|---------|-------|
| #Skin: | | | | | | | | |
| Squamous Cell Papilloma, Papilloma, or Keratoacanthoma | | | | | | | | |
| | | 5/50 (10%) | | | 0/50 (0%) | | | |
| Overall Incidence | Total | 5/50 (10%) | Mean 10% | SD 0% | Total | 0/50 (0%) | Mean 0% | SD 0% |
| | | | | | | | | |
| #Skin: Sebaceous Gland: | | | | | | | | |
| Adenoma | | | | | | | | |
| | | 0/50 (0%) | | | 0/50 (0%) | | | |
| Overall Incidence | Total | 0/50 (0%) | Mean 0% | SD 0% | Total | 0/50 (0%) | Mean 0% | SD 0% |
| | | | | | | | | |
| #Skin: Sebaceous Gland: | | | | | | | | |
| Carcinoma or Adenoma | | | | | | | | |
| | | 0/50 (0%) | | | 0/50 (0%) | | | |
| Overall Incidence | Total | 0/50 (0%) | Mean 0% | SD 0% | Total | 0/50 (0%) | Mean 0% | SD 0% |
| | | | | | | | | |
| *Spleen: | | | | | | | | |
| Hemangiosarcoma | | | | | | | | |
| | | 1/50 (2%) | | | 0/50 (0%) | | | |
| Overall Incidence | Total | 1/50 (2%) | Mean 2% | SD 0% | Total | 0/50 (0%) | Mean 0% | SD 0% |
| | | | | | | | | |
| #Stomach, Forestomach: | | | | | | | | |
| Leiomyoma | | | | | | | | |
| | | 0/50 (0%) | | | 0/50 (0%) | | | |
| Overall Incidence | Total | 0/50 (0%) | Mean 0% | SD 0% | Total | 0/50 (0%) | Mean 0% | SD 0% |
| | | | | | | | | |
| #Stomach, Forestomach: | | | | | | | | |
| Leiomyosarcoma | | | | | | | | |
| | | 0/50 (0%) | | | 0/50 (0%) | | | |
| Overall Incidence | Total | 0/50 (0%) | Mean 0% | SD 0% | Total | 0/50 (0%) | Mean 0% | SD 0% |
| | | | | | | | | |

*: Denominator is number of animals with tissues examined microscopically
 #: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: Wistar Han
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Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
 Route: GAVAGE
 Vehicle: CORN OIL

Page: 23
 Report Date: 06/12/2013

| Male | | | | | Female | | | | |
|--|-------|------|------|---------|--------|-------|------|------|---------------|
| #Stomach, Forestomach: | | | | | | | | | |
| Sarcoma | | | | | | | | | |
| | | 0/50 | (0%) | | | 0/50 | (0%) | | |
| Overall Incidence | Total | 0/50 | (0%) | Mean 0% | SD 0% | Total | 0/50 | (0%) | Mean 0% SD 0% |
| | | | | | | | | | |
| #Stomach, Forestomach: | | | | | | | | | |
| Squamous Cell Carcinoma | | | | | | | | | |
| | | 0/50 | (0%) | | | 0/50 | (0%) | | |
| Overall Incidence | Total | 0/50 | (0%) | Mean 0% | SD 0% | Total | 0/50 | (0%) | Mean 0% SD 0% |
| | | | | | | | | | |
| #Stomach, Forestomach: | | | | | | | | | |
| Squamous Cell Carcinoma or Papilloma Squamous | | | | | | | | | |
| | | 0/50 | (0%) | | | 0/50 | (0%) | | |
| Overall Incidence | Total | 0/50 | (0%) | Mean 0% | SD 0% | Total | 0/50 | (0%) | Mean 0% SD 0% |
| | | | | | | | | | |
| #Stomach, Glandular: | | | | | | | | | |
| Leiomyosarcoma | | | | | | | | | |
| | | 0/50 | (0%) | | | 1/50 | (2%) | | |
| Overall Incidence | Total | 0/50 | (0%) | Mean 0% | SD 0% | Total | 1/50 | (2%) | Mean 2% SD 0% |
| | | | | | | | | | |
| #Stomach, Glandular: | | | | | | | | | |
| Sarcoma | | | | | | | | | |
| | | 0/50 | (0%) | | | 0/50 | (0%) | | |
| Overall Incidence | Total | 0/50 | (0%) | Mean 0% | SD 0% | Total | 0/50 | (0%) | Mean 0% SD 0% |
| | | | | | | | | | |
| *Testes: | | | | | | | | | |
| Adenoma | | | | | | | | | |
| | | 0/50 | (0%) | | | | | | |
| Overall Incidence | Total | 0/50 | (0%) | Mean 0% | SD 0% | | | | |

*: Denominator is number of animals with tissues examined microscopically
 #: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: Wistar Han
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
 Route: GAVAGE
 Vehicle: CORN OIL

Page: 24
 Report Date: 06/12/2013

| | | Male | | | Female | | |
|--|-------|--------------|------------|-------|------------|------------|----------------|
| *Thymus: | | | | | | | |
| Sarcoma | | | | | | | |
| | | 0/49 (0%) | | | 1/50 (2%) | | |
| Overall Incidence | Total | 0/49 (0%) | Mean 0% | SD 0% | Total | 1/50 (2%) | Mean 2% SD 0% |
| | | | | | | | |
| *Thymus: | | | | | | | |
| Thymoma Benign | | | | | | | |
| | | 1/49 (2%) | | | 1/50 (2%) | | |
| Overall Incidence | Total | 1/49 (2.04%) | Mean 2.04% | SD 0% | Total | 1/50 (2%) | Mean 2% SD 0% |
| | | | | | | | |
| *Thymus: | | | | | | | |
| Thymoma: Benign, Malignant, NOS | | | | | | | |
| | | 1/49 (2%) | | | 1/50 (2%) | | |
| Overall Incidence | Total | 1/49 (2.04%) | Mean 2.04% | SD 0% | Total | 1/50 (2%) | Mean 2% SD 0% |
| | | | | | | | |
| *Thyroid Gland: C-Cell: | | | | | | | |
| Adenoma | | | | | | | |
| | | 5/50 (10%) | | | 7/50 (14%) | | |
| Overall Incidence | Total | 5/50 (10%) | Mean 10% | SD 0% | Total | 7/50 (14%) | Mean 14% SD 0% |
| | | | | | | | |
| *Thyroid Gland: C-Cell: | | | | | | | |
| Carcinoma | | | | | | | |
| | | 0/50 (0%) | | | 0/50 (0%) | | |
| Overall Incidence | Total | 0/50 (0%) | Mean 0% | SD 0% | Total | 0/50 (0%) | Mean 0% SD 0% |
| | | | | | | | |
| *Thyroid Gland: C-Cell: | | | | | | | |
| Carcinoma or Adenoma | | | | | | | |
| | | 5/50 (10%) | | | 7/50 (14%) | | |
| Overall Incidence | Total | 5/50 (10%) | Mean 10% | SD 0% | Total | 7/50 (14%) | Mean 14% SD 0% |

*: Denominator is number of animals with tissues examined microscopically
 #: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: Wistar Han
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
 Route: GAVAGE
 Vehicle: CORN OIL

Page: 25
 Report Date: 06/12/2013

| | | Male | | | Female | | |
|--|-------|-----------|---------|-------|--------|-----------|---------------|
| *Thyroid Gland: Follicular Cell: Adenoma | | | | | | | |
| Overall Incidence | Total | 3/50 (6%) | Mean 6% | SD 0% | Total | 3/50 (6%) | Mean 6% SD 0% |
| | | | | | | | |
| *Thyroid Gland: Follicular Cell: Carcinoma | | | | | | | |
| Overall Incidence | Total | 0/50 (0%) | Mean 0% | SD 0% | Total | 0/50 (0%) | Mean 0% SD 0% |
| | | | | | | | |
| *Thyroid Gland: Follicular Cell: Carcinoma or Adenoma | | | | | | | |
| Overall Incidence | Total | 3/50 (6%) | Mean 6% | SD 0% | Total | 3/50 (6%) | Mean 6% SD 0% |
| | | | | | | | |
| *Urinary Bladder: Carcinoma or Papilloma | | | | | | | |
| Overall Incidence | Total | 1/50 (2%) | Mean 2% | SD 0% | Total | 1/50 (2%) | Mean 2% SD 0% |
| | | | | | | | |
| *Urinary Bladder: Papilloma | | | | | | | |
| Overall Incidence | Total | 1/50 (2%) | Mean 2% | SD 0% | Total | 1/50 (2%) | Mean 2% SD 0% |
| | | | | | | | |
| #Uterus: Carcinoma | | | | | | | |
| Overall Incidence | | | | | Total | 3/50 (6%) | Mean 6% SD 0% |

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: Wistar Han
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
 Route: GAVAGE
 Vehicle: CORN OIL

Page: 26
 Report Date: 06/12/2013

| | Male | Female |
|---|-----------------|---------------|
| #Uterus: | | |
| Polyp Stromal | | |
| Overall Incidence | Total 2/50 (4%) | Mean 4% SD 0% |
| #Uterus: | | |
| Sarcoma Stromal | | |
| Overall Incidence | Total 0/50 (0%) | Mean 0% SD 0% |
| #Uterus: | | |
| Sarcoma Stromal or Polyp Stromal | | |
| Overall Incidence | Total 2/50 (4%) | Mean 4% SD 0% |
| #Uterus: | | |
| Schwannoma Malignant | | |
| Overall Incidence | Total 0/50 (0%) | Mean 0% SD 0% |
| #Uterus: | | |
| Squamous Cell Papilloma | | |
| Overall Incidence | Total 0/50 (0%) | Mean 0% SD 0% |
| #Vagina: | | |
| Leiomyoma | | |
| Overall Incidence | Total 1/50 (2%) | Mean 2% SD 0% |

*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jun2013
 Contract/Lab: All Laboratories
 Species: RATS
 Strain: Wistar Han
 Length of Study: CHRONIC

Toxicology Data Management System
 Tumor Incidence for Selected Control Animal Groups
 Route: GAVAGE
 Vehicle: CORN OIL

Page: 27
 Report Date: 06/12/2013

| Male | | | | | Female | | | | | |
|-----------------------------|-------|------|------|---------|--------|-------|------|---------|---------|-------|
| #Vagina: | | | | | | | | | | |
| Polyp | | | | | | | | | | |
| | | | | | 0/50 | (0%) | | | | |
| Overall Incidence | | | | | Total | 0/50 | (0%) | Mean 0% | SD 0% | |
| | | | | | | | | | | |
| #Zymbal's Gland: | | | | | | | | | | |
| Carcinoma | | | | | | | | | | |
| | | | | | 0/50 | (0%) | | | | |
| Overall Incidence | Total | 0/50 | (0%) | Mean 0% | SD 0% | Total | 0/50 | (0%) | Mean 0% | SD 0% |
| | | | | | | | | | | |
| #Zymbal's Gland: | | | | | | | | | | |
| Carcinoma or Adenoma | | | | | | | | | | |
| | | | | | 0/50 | (0%) | | | | |
| Overall Incidence | Total | 0/50 | (0%) | Mean 0% | SD 0% | Total | 0/50 | (0%) | Mean 0% | SD 0% |
| | | | | | | | | | | |

*: Denominator is number of animals with tissues examined microscopically
 #: Denominator is number of animals necropsied