

Experiment Number: 56348-02
Test Type: 90-DAY
Route: DOSED FEED
Species/Strain: Mouse/B6C3F1

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

Test Compound: Citral
CAS Number: 5392-40-5

Date Report Requested: 10/22/2014
Time Report Requested: 05:30:12
First Dose M/F: NA / NA
Lab: BAT

C Number: C56348A
Lock Date: 01/02/1996
Cage Range: All
Date Range: All
Reasons For Removal: All
Removal Date Range: All
Treatment Groups: All
Study Gender: Both
PWG Approval Date: NONE

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 Lab: BAT

B6C3F1 Mouse MALE	UNTREAT CONTROL	VEHICLE CONTROL	3900 PPM	7800 PPM	15600 PPM	31300 PPM
Disposition Summary						
Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Moribund Sacrifice						4
Survivors						
Terminal Sacrifice	10	10	10	10	10	6
Animals Examined Microscopically	10	10			10	10
ALIMENTARY SYSTEM						
Esophagus	(10)	(10)	(0)	(0)	(0)	(10)
Gallbladder	(9)	(8)	(0)	(0)	(0)	(10)
Intestine Large, Cecum	(10)	(10)	(0)	(0)	(0)	(10)
Intestine Large, Colon	(10)	(10)	(0)	(0)	(0)	(10)
Intestine Large, Rectum	(10)	(10)	(0)	(0)	(0)	(10)
Intestine Small, Duodenum	(10)	(10)	(0)	(0)	(0)	(10)
Intestine Small, Ileum	(10)	(10)	(0)	(0)	(0)	(9)
Intestine Small, Jejunum	(10)	(10)	(0)	(0)	(0)	(10)
Liver	(10)	(10)	(0)	(0)	(0)	(10)
Pancreas	(10)	(10)	(0)	(0)	(0)	(10)
Salivary Glands	(10)	(10)	(0)	(0)	(0)	(10)
Stomach, Forestomach	(10)	(10)	(0)	(0)	(10)	(10)
Stomach, Glandular	(10)	(10)	(0)	(0)	(0)	(10)
CARDIOVASCULAR SYSTEM						
Blood Vessel	(10)	(10)	(0)	(0)	(0)	(10)
Heart	(10)	(10)	(0)	(0)	(0)	(10)
ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(10)	(0)	(0)	(0)	(10)

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

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

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Lab: BAT

B6C3F1 Mouse MALE	UNTREAT CONTROL	VEHICLE CONTROL	3900 PPM	7800 PPM	15600 PPM	31300 PPM
Adrenal Medulla	(10)	(10)	(0)	(0)	(0)	(10)
Islets, Pancreatic	(10)	(10)	(0)	(0)	(0)	(10)
Parathyroid Gland	(7)	(8)	(0)	(0)	(0)	(6)
Pituitary Gland	(10)	(10)	(0)	(0)	(0)	(9)
Thyroid Gland	(10)	(10)	(0)	(0)	(0)	(10)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Epididymis	(10)	(10)	(0)	(0)	(0)	(10)
Preputial Gland	(10)	(10)	(0)	(0)	(0)	(10)
Prostate	(10)	(10)	(0)	(0)	(0)	(10)
Seminal Vesicle	(10)	(10)	(0)	(0)	(0)	(10)
Testes	(10)	(10)	(0)	(0)	(0)	(10)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(10)	(0)	(0)	(0)	(10)
Lymph Node, Mandibular	(10)	(10)	(0)	(0)	(0)	(10)
Lymph Node, Mesenteric	(10)	(9)	(0)	(0)	(0)	(10)
Spleen	(10)	(10)	(0)	(0)	(0)	(10)
Thymus	(10)	(10)	(0)	(0)	(0)	(8)
INTEGUMENTARY SYSTEM						
Mammary Gland	(0)	(0)	(0)	(0)	(0)	(2)
Skin	(10)	(10)	(0)	(0)	(0)	(10)
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(10)	(0)	(0)	(0)	(10)
NERVOUS SYSTEM						

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B6C3F1 Mouse MALE	UNTREAT CONTROL	VEHICLE CONTROL	3900 PPM	7800 PPM	15600 PPM	31300 PPM
Brain	(10)	(10)	(0)	(0)	(0)	(10)
RESPIRATORY SYSTEM						
Lung	(10)	(10)	(0)	(0)	(0)	(10)
Nose	(10)	(10)	(0)	(0)	(0)	(10)
Trachea	(10)	(10)	(0)	(0)	(0)	(10)
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						
Kidney	(10)	(10)	(0)	(0)	(0)	(10)
Urinary Bladder	(10)	(10)	(0)	(0)	(0)	(9)

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

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B6C3F1 Mouse MALE	UNTREAT CONTROL	VEHICLE CONTROL	3900 PPM	7800 PPM	15600 PPM	31300 PPM
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Tumor Summary for MALE

Total Animals with Primary Neoplasms (b)
Total Primary Neoplasms

Total Animals with Benign Neoplasms
Total Benign Neoplasms

Total Animals with Malignant Neoplasms
Total Malignant Neoplasms

Total Animals with Metastatic Neoplasms
Total Metastatic Neoplasms

**Total Animals with Malignant Neoplasms
Uncertain Primary Site**

**Total Animals with Neoplasms Uncertain -
Benign or Malignant**
Total Uncertain Neoplasms

END OF MALE DATA

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

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

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Time Report Requested: 05:30:12

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse FEMALE	UNTREAT CONTROL	VEHICLE CONTROL	3900 PPM	7800 PPM	15600 PPM	31300 PPM
Disposition Summary						
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
ALIMENTARY SYSTEM						
Esophagus	(10)	(10)	(0)	(0)	(0)	(9)
Gallbladder	(9)	(8)	(0)	(0)	(0)	(10)
Intestine Large, Cecum	(10)	(10)	(0)	(0)	(0)	(10)
Intestine Large, Colon	(10)	(10)	(0)	(0)	(0)	(10)
Intestine Large, Rectum	(10)	(10)	(0)	(0)	(0)	(10)
Intestine Small, Duodenum	(10)	(10)	(0)	(0)	(0)	(10)
Intestine Small, Ileum	(10)	(10)	(0)	(0)	(0)	(10)
Intestine Small, Jejunum	(10)	(10)	(0)	(0)	(0)	(10)
Liver	(10)	(10)	(0)	(0)	(0)	(10)
Pancreas	(10)	(10)	(0)	(0)	(0)	(10)
Salivary Glands	(10)	(10)	(0)	(0)	(0)	(10)
Stomach, Forestomach	(10)	(10)	(0)	(10)	(10)	(10)
Stomach, Glandular	(10)	(10)	(0)	(0)	(0)	(10)
CARDIOVASCULAR SYSTEM						
Blood Vessel	(10)	(10)	(0)	(0)	(0)	(10)
Heart	(10)	(10)	(0)	(0)	(0)	(10)
ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(10)	(0)	(0)	(0)	(10)
Adrenal Medulla	(10)	(10)	(0)	(0)	(0)	(10)

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

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B6C3F1 Mouse FEMALE	UNTREAT CONTROL	VEHICLE CONTROL	3900 PPM	7800 PPM	15600 PPM	31300 PPM
Islets, Pancreatic	(10)	(10)	(0)	(0)	(0)	(10)
Parathyroid Gland	(9)	(6)	(0)	(0)	(0)	(8)
Pituitary Gland	(10)	(10)	(0)	(0)	(0)	(10)
Thyroid Gland	(10)	(10)	(0)	(0)	(0)	(9)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Clitoral Gland	(10)	(10)	(0)	(0)	(0)	(10)
Ovary	(10)	(10)	(0)	(10)	(10)	(10)
Uterus	(10)	(10)	(0)	(0)	(0)	(10)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(10)	(0)	(0)	(0)	(10)
Lymph Node, Mandibular	(10)	(10)	(0)	(0)	(0)	(9)
Lymph Node, Mesenteric	(10)	(10)	(0)	(0)	(0)	(10)
Spleen	(10)	(10)	(0)	(0)	(0)	(10)
Thymus	(10)	(10)	(0)	(0)	(0)	(10)
INTEGUMENTARY SYSTEM						
Mammary Gland	(10)	(10)	(0)	(0)	(0)	(10)
Skin	(10)	(10)	(0)	(0)	(0)	(10)
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(10)	(0)	(0)	(0)	(10)
NERVOUS SYSTEM						
Brain	(10)	(10)	(0)	(0)	(0)	(10)
RESPIRATORY SYSTEM						

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

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* Number of animals with any tissue examined microscopically

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Lab: BAT

B6C3F1 Mouse FEMALE	UNTREAT CONTROL	VEHICLE CONTROL	3900 PPM	7800 PPM	15600 PPM	31300 PPM
Lung	(10)	(10)	(0)	(0)	(0)	(9)
Nose	(10)	(10)	(0)	(0)	(0)	(10)
Trachea	(10)	(10)	(0)	(0)	(0)	(9)
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						
Kidney	(10)	(10)	(0)	(0)	(0)	(10)
Urinary Bladder	(10)	(10)	(0)	(0)	(0)	(10)

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

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B6C3F1 Mouse FEMALE

**UNTREAT
CONTROL**

VEHICLE CONTROL

3900 PPM

7800 PPM

15600 PPM

31300 PPM

Tumor Summary for FEMALE

Total Animals with Primary Neoplasms (b)

Total Primary Neoplasms

Total Animals with Benign Neoplasms

Total Benign Neoplasms

Total Animals with Malignant Neoplasms

Total Malignant Neoplasms

Total Animals with Metastatic Neoplasms

Total Metastatic Neoplasms

Total Animals with Malignant Neoplasms

Uncertain Primary Site

Total Animals with Neoplasms Uncertain -

Benign or Malignant

Total Uncertain Neoplasms

**** END OF REPORT ****

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

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically