

**Experiment Number:** 93023-04  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

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

**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:36:37  
**First Dose M/F:** NA / NA  
**Lab:** SRI

<b>C Number:</b>	C93023B
<b>Lock Date:</b>	07/30/1997
<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

Experiment Number: 93023-04  
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**P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS ABRIDGED) (a)**  
 Test Compound: 2,4-Hexadienal  
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014  
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 First Dose M/F: NA / NA  
 Lab: SRI

B6C3F1 Mouse MALE	0	MG/KG/DY	7.5	MG/KG/DY	15	MG/KG/DY	30	MG/KG/DY	60	MG/KG/DY	120	MG/KG/DY
<b>Disposition Summary</b>												
Animals Initially In Study	10		10		10		10		10		10	
Early Deaths												
Dosing Accident	2								1			
Survivors												
Terminal Sacrifice	8		10		10		10		9		10	
Animals Examined Microscopically	10		10		10		10		10		10	
<b>ALIMENTARY SYSTEM</b>												
Esophagus	(9)		(0)		(0)		(0)		(1)		(10)	
Gallbladder	(9)		(0)		(0)		(0)		(0)		(9)	
Intestine Large, Cecum	(10)		(0)		(0)		(0)		(1)		(10)	
Intestine Large, Colon	(10)		(0)		(0)		(0)		(1)		(10)	
Intestine Large, Rectum	(10)		(0)		(0)		(0)		(1)		(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)		(0)		(1)		(10)	
Pancreas	(10)		(0)		(0)		(0)		(1)		(10)	
Salivary Glands	(10)		(0)		(0)		(0)		(1)		(10)	
Stomach, Forestomach	(10)		(10)		(10)		(10)		(9)		(10)	
Stomach, Glandular	(10)		(0)		(0)		(0)		(1)		(10)	
<b>CARDIOVASCULAR SYSTEM</b>												
Heart	(10)		(0)		(0)		(0)		(1)		(10)	
<b>ENDOCRINE SYSTEM</b>												
Adrenal Cortex	(10)		(0)		(0)		(0)		(1)		(10)	
Adrenal Medulla	(10)		(0)		(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

Experiment Number: 93023-04

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

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

Test Compound: 2,4-Hexadienal

CAS Number: 142-83-6

Date Report Requested: 10/21/2014

Time Report Requested: 18:36:37

First Dose M/F: NA / NA

Lab: SRI

<b>B6C3F1 Mouse MALE</b>	<b>0</b>	<b>MG/KG/DY</b>	<b>7.5</b>	<b>MG/KG/DY</b>	<b>15</b>	<b>MG/KG/DY</b>	<b>30</b>	<b>MG/KG/DY</b>	<b>60</b>	<b>MG/KG/DY</b>	<b>120</b>	<b>MG/KG/DY</b>
Parathyroid Gland	(9)		(0)		(0)		(0)		(0)		(9)	
Pituitary Gland	(9)		(0)		(0)		(0)		(0)		(9)	
Thyroid Gland	(10)		(0)		(0)		(0)		(1)		(9)	
<b>GENERAL BODY SYSTEM</b>												
None												
<b>GENITAL SYSTEM</b>												
Coagulating Gland	(1)		(0)		(0)		(0)		(0)		(0)	
Epididymis	(10)		(0)		(0)		(0)		(1)		(10)	
Preputial Gland	(10)		(0)		(0)		(0)		(1)		(10)	
Prostate	(10)		(0)		(0)		(0)		(1)		(10)	
Seminal Vesicle	(10)		(0)		(0)		(0)		(1)		(10)	
Testes	(10)		(0)		(0)		(0)		(2)		(10)	
<b>HEMATOPOIETIC SYSTEM</b>												
Bone Marrow	(10)		(0)		(0)		(0)		(1)		(10)	
Lymph Node, Mandibular	(10)		(0)		(0)		(0)		(1)		(10)	
Lymph Node, Mesenteric	(10)		(0)		(0)		(0)		(1)		(10)	
Spleen	(10)		(0)		(0)		(0)		(1)		(10)	
Thymus	(10)		(0)		(0)		(0)		(1)		(10)	
<b>INTEGUMENTARY SYSTEM</b>												
Skin	(10)		(0)		(0)		(0)		(1)		(10)	
<b>MUSCULOSKELETAL SYSTEM</b>												
Bone	(10)		(0)		(0)		(0)		(1)		(10)	
Skeletal Muscle	(1)		(0)		(0)		(0)		(0)		(0)	
<b>NERVOUS SYSTEM</b>												
Brain	(10)		(0)		(0)		(0)		(1)		(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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**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

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**Test Compound:** 2,4-Hexadienal  
**CAS Number:** 142-83-6

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 18:36:37  
**First Dose M/F:** NA / NA  
**Lab:** SRI

B6C3F1 Mouse MALE	0	MG/KG/DY	7.5	MG/KG/DY	15	MG/KG/DY	30	MG/KG/DY	60	MG/KG/DY	120	MG/KG/DY
<b>RESPIRATORY SYSTEM</b>												
Lung	(10)		(0)		(0)		(0)		(1)		(9)	
Nose	(10)		(10)		(10)		(10)		(10)		(10)	
Pleura	(0)		(0)		(0)		(0)		(1)		(0)	
Trachea	(10)		(0)		(0)		(0)		(1)		(10)	
<b>SPECIAL SENSES SYSTEM</b>												
None												
<b>URINARY SYSTEM</b>												
Kidney	(10)		(0)		(0)		(0)		(1)		(10)	
Urinary Bladder	(10)		(0)		(0)		(0)		(1)		(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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**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>B6C3F1 Mouse MALE</b>	<b>0</b>	<b>MG/KG/DY</b>	<b>7.5</b>	<b>MG/KG/DY</b>	<b>15</b>	<b>MG/KG/DY</b>	<b>30</b>	<b>MG/KG/DY</b>	<b>60</b>	<b>MG/KG/DY</b>	<b>120</b>	<b>MG/KG/DY</b>
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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**

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

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

b - Primary tumors: all tumors except metastatic tumors

\* Number of animals with any tissue examined microscopically

Experiment Number: 93023-04  
 Test Type: 90-DAY  
 Route: GAVAGE  
 Species/Strain: Mouse/B6C3F1

**P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS ABRIDGED) (a)**  
 Test Compound: 2,4-Hexadienal  
 CAS Number: 142-83-6

Date Report Requested: 10/21/2014  
 Time Report Requested: 18:36:37  
 First Dose M/F: NA / NA  
 Lab: SRI

B6C3F1 Mouse FEMALE	0	MG/KG/DY	7.5	MG/KG/DY	15	MG/KG/DY	30	MG/KG/DY	60	MG/KG/DY	120	MG/KG/DY
<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	(9)		(0)		(0)		(0)		(0)		(10)	
Gallbladder	(9)		(0)		(0)		(0)		(0)		(9)	
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)		(0)		(0)		(10)	
Pancreas	(10)		(0)		(0)		(0)		(0)		(10)	
Salivary Glands	(10)		(0)		(0)		(0)		(0)		(10)	
Stomach, Forestomach	(10)		(10)		(10)		(10)		(10)		(10)	
Stomach, Glandular	(10)		(0)		(0)		(0)		(1)		(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)	
Parathyroid Gland	(9)		(0)		(0)		(0)		(0)		(8)	

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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Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

**P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS  
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Test Compound: 2,4-Hexadienal

CAS Number: 142-83-6

Date Report Requested: 10/21/2014

Time Report Requested: 18:36:37

First Dose M/F: NA / NA

Lab: SRI

<b>B6C3F1 Mouse FEMALE</b>	<b>0</b>	<b>MG/KG/DY</b>	<b>7.5</b>	<b>MG/KG/DY</b>	<b>15</b>	<b>MG/KG/DY</b>	<b>30</b>	<b>MG/KG/DY</b>	<b>60</b>	<b>MG/KG/DY</b>	<b>120</b>	<b>MG/KG/DY</b>
Pituitary Gland	(9)		(0)		(0)		(0)		(0)		(10)	
Thyroid Gland	(10)		(0)		(0)		(0)		(0)		(9)	
<b>GENERAL BODY SYSTEM</b>												
None												
<b>GENITAL SYSTEM</b>												
Clitoral Gland	(10)		(0)		(0)		(0)		(0)		(10)	
Ovary	(10)		(0)		(0)		(0)		(0)		(10)	
Uterus	(10)		(0)		(0)		(0)		(0)		(10)	
<b>HEMATOPOIETIC SYSTEM</b>												
Bone Marrow	(10)		(0)		(0)		(0)		(0)		(10)	
Lymph Node	(0)		(0)		(0)		(0)		(0)		(1)	
Lymph Node, Mandibular	(10)		(0)		(0)		(0)		(0)		(10)	
Lymph Node, Mesenteric	(10)		(0)		(0)		(0)		(0)		(10)	
Spleen	(10)		(0)		(0)		(0)		(0)		(10)	
Thymus	(10)		(0)		(0)		(0)		(0)		(10)	
<b>INTEGUMENTARY SYSTEM</b>												
Mammary Gland	(10)		(0)		(0)		(0)		(0)		(10)	
Skin	(10)		(0)		(0)		(0)		(0)		(10)	
<b>MUSCULOSKELETAL SYSTEM</b>												
Bone	(10)		(0)		(0)		(0)		(0)		(10)	
<b>NERVOUS SYSTEM</b>												
Brain	(10)		(0)		(0)		(0)		(0)		(10)	
<b>RESPIRATORY SYSTEM</b>												
Lung	(10)		(0)		(0)		(0)		(0)		(10)	
Nose	(10)		(10)		(10)		(10)		(10)		(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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ABRIDGED) (a)**  
Test Compound: 2,4-Hexadienal  
CAS Number: 142-83-6

Date Report Requested: 10/21/2014  
Time Report Requested: 18:36:37  
First Dose M/F: NA / NA  
Lab: SRI

<b>B6C3F1 Mouse FEMALE</b>	<b>0</b>	<b>MG/KG/DY</b>	<b>7.5</b>	<b>MG/KG/DY</b>	<b>15</b>	<b>MG/KG/DY</b>	<b>30</b>	<b>MG/KG/DY</b>	<b>60</b>	<b>MG/KG/DY</b>	<b>120</b>	<b>MG/KG/DY</b>
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)	

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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B6C3F1 Mouse FEMALE	0	MG/KG/DY	7.5	MG/KG/DY	15	MG/KG/DY	30	MG/KG/DY	60	MG/KG/DY	120	MG/KG/DY
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**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**

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**\*\* END OF REPORT \*\***

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

b - Primary tumors: all tumors except metastatic tumors

\* Number of animals with any tissue examined microscopically