

Experiment Number: 05069-09
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

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

Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:16:47
First Dose M/F: NA / NA
Lab: TSI MASON

C Number:	C60902B
Lock Date:	Not Entered.
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	NONE

Experiment Number: 05069-09
 Test Type: CHRONIC
 Route: DERMAL,SOLUTION
 Species/Strain: Mouse/B6C3F1

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

Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
 CAS Number: 147-47-7

Date Report Requested: 10/21/2014
 Time Report Requested: 01:16:47
 First Dose M/F: NA / NA
 Lab: TSI MASON

B6C3F1 Mouse MALE	0 MG/KG	6.0 MG/K	10.0 MG/KG
Disposition Summary			
Animals Initially In Study	60	60	60
Scheduled Sacrifice	10	10	10
Early Deaths			
Moribund Sacrifice	7	5	4
Natural Death	4	3	6
Survivors			
Terminal Sacrifice	39	42	40
Animals Examined Microscopically	15	13	14
ALIMENTARY SYSTEM			
Esophagus	(15)	(13)	(14)
Gallbladder	(14)	(10)	(11)
Intestine Large, Cecum	(14)	(12)	(13)
Intestine Large, Colon	(15)	(12)	(13)
Intestine Large, Rectum	(15)	(12)	(13)
Intestine Small, Duodenum	(13)	(12)	(13)
Intestine Small, Ileum	(14)	(12)	(12)
Intestine Small, Jejunum	(14)	(12)	(12)
Liver	(15)	(13)	(14)
Carcinoma, Metastatic, Islets, Pancreatic			1 (7%)
Hepatocellular Adenoma	3 (20%)	5 (38%)	4 (29%)
Hepatocellular Carcinoma	3 (20%)	2 (15%)	
Schwannoma Malignant, Metastatic, Salivary Glands	1 (7%)		
Mesentery	(1)	(0)	(1)
Hepatocellular Carcinoma, Metastatic, Liver	1 (100%)		
Pancreas	(15)	(12)	(13)
Salivary Glands	(15)	(13)	(14)

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: 05069-09

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Mouse/B6C3F1

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

Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)

CAS Number: 147-47-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:16:47

First Dose M/F: NA / NA

Lab: TSI MASON

B6C3F1 Mouse MALE	0 MG/KG	6.0 MG/K	10.0 MG/KG
Schwannoma Malignant	1 (7%)		
Stomach, Forestomach	(15)	(12)	(13)
Stomach, Glandular	(15)	(12)	(13)
Tongue	(0)	(1)	(0)
Squamous Cell Carcinoma		1 (100%)	
Tooth	(0)	(0)	(2)
CARDIOVASCULAR SYSTEM			
Heart	(15)	(13)	(14)
ENDOCRINE SYSTEM			
Adrenal Gland	(14)	(10)	(10)
Adrenal Gland, Cortex	(15)	(13)	(14)
Adrenal Gland, Medulla	(15)	(13)	(14)
Islets, Pancreatic	(15)	(12)	(13)
Carcinoma			1 (8%)
Parathyroid Gland	(13)	(10)	(13)
Pituitary Gland	(15)	(13)	(14)
Thyroid Gland	(15)	(13)	(14)
Follicular Cel, Adenoma			1 (7%)
GENERAL BODY SYSTEM			
None			
GENITAL SYSTEM			
Epididymis	(15)	(13)	(14)
Penis	(0)	(1)	(1)
Preputial Gland	(15)	(13)	(14)
Prostate	(15)	(13)	(14)
Seminal Vesicle	(15)	(13)	(14)
Testes	(15)	(13)	(14)

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: 05069-09

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Mouse/B6C3F1

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

Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)

CAS Number: 147-47-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:16:47

First Dose M/F: NA / NA

Lab: TSI MASON

B6C3F1 Mouse MALE	0 MG/KG	6.0 MG/K	10.0 MG/KG
Testes	(15)	(13)	(14)
HEMATOPOIETIC SYSTEM			
Bone Marrow	(15)	(13)	(14)
Lymph Node	(1)	(1)	(0)
Lymph Node, Mandibular	(15)	(13)	(14)
Schwannoma Malignant, Metastatic, Salivary Glands	1 (7%)		
Lymph Node, Mesenteric	(15)	(12)	(13)
Spleen	(15)	(11)	(14)
Thymus	(14)	(12)	(14)
Mixed Tumor Benign	1 (7%)		
INTEGUMENTARY SYSTEM			
Mammary Gland	(1)	(1)	(1)
Skin	(15)	(13)	(14)
MUSCULOSKELETAL SYSTEM			
Bone	(15)	(13)	(14)
NERVOUS SYSTEM			
Brain	(15)	(12)	(13)
RESPIRATORY SYSTEM			
Lung	(15)	(13)	(14)
Alveolar/Bronchiolar Adenoma	3 (20%)	1 (8%)	
Alveolar/Bronchiolar Carcinoma		1 (8%)	
Nose	(15)	(13)	(14)
Trachea	(15)	(13)	(14)
SPECIAL SENSES SYSTEM			
Harderian Gland	(0)	(0)	(1)

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: 05069-09
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

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

Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:16:47
First Dose M/F: NA / NA
Lab: TSI MASON

B6C3F1 Mouse MALE	0 MG/KG	6.0 MG/K	10.0 MG/KG
Adenoma			1 (100%)
URINARY SYSTEM			
Kidney	(15)	(13)	(14)
Urinary Bladder	(15)	(13)	(14)
SYSTEMIC LESIONS			
Multiple Organ	*(15)	*(13)	*(14)
Lymphoma Malignant Lymphocytic	1 (7%)		

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: 05069-09
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

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

Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:16:47
First Dose M/F: NA / NA
Lab: TSI MASON

B6C3F1 Mouse MALE	0 MG/KG	6.0 MG/K	10.0 MG/KG
Tumor Summary for MALE			
Total Animals with Primary Neoplasms (b)	9	7	6
Total Primary Neoplasms	12	10	7
Total Animals with Benign Neoplasms	6	6	6
Total Benign Neoplasms	7	6	6
Total Animals with Malignant Neoplasms	4	4	1
Total Malignant Neoplasms	5	4	1
Total Animals with Metastatic Neoplasms	2		1
Total Metastatic Neoplasms	3		1
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

Experiment Number: 05069-09
 Test Type: CHRONIC
 Route: DERMAL,SOLUTION
 Species/Strain: Mouse/B6C3F1

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

Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
 CAS Number: 147-47-7

Date Report Requested: 10/21/2014
 Time Report Requested: 01:16:47
 First Dose M/F: NA / NA
 Lab: TSI MASON

B6C3F1 Mouse FEMALE	0 MG/KG	6.0 MG/K	10.0 MG/KG
Disposition Summary			
Animals Initially In Study	60	60	60
Scheduled Sacrifice	10	10	10
Early Deaths			
Accidentally Killed	2		
Moribund Sacrifice	5	5	12
Natural Death	5	4	3
Survivors			
Moribund Sacrifice	1	1	1
Natural Death			1
Terminal Sacrifice	37	40	32
Missing			1
Animals Examined Microscopically	19	13	17

ALIMENTARY SYSTEM

Esophagus	(18)	(13)	(17)
Gallbladder	(16)	(13)	(16)
Intestine Large, Cecum	(18)	(13)	(16)
Sarcoma Stromal, Metastatic, Uterus		1 (8%)	
Intestine Large, Colon	(17)	(13)	(16)
Intestine Large, Rectum	(19)	(12)	(17)
Intestine Small, Duodenum	(17)	(13)	(15)
Intestine Small, Ileum	(16)	(12)	(16)
Intestine Small, Jejunum	(17)	(13)	(16)
Liver	(19)	(13)	(17)
Adenocarcinoma, Metastatic, Mammary Gland	1 (5%)		
Hemangiosarcoma			1 (6%)
Hepatocellular Adenoma	1 (5%)	1 (8%)	4 (24%)

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: 05069-09

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Mouse/B6C3F1

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

Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)

CAS Number: 147-47-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:16:47

First Dose M/F: NA / NA

Lab: TSI MASON

B6C3F1 Mouse FEMALE	0 MG/KG	6.0 MG/K	10.0 MG/KG
Hepatocellular Adenoma, Multiple	2 (11%)		1 (6%)
Hepatocellular Carcinoma	1 (5%)	1 (8%)	
Sarcoma Stromal, Metastatic, Uterus		1 (8%)	
Mesentery	(3)	(1)	(1)
Pancreas	(18)	(13)	(16)
Adenocarcinoma, Metastatic, Mammary Gland	1 (6%)		
Sarcoma Stromal, Metastatic, Uterus		1 (8%)	
Salivary Glands	(19)	(13)	(17)
Adenocarcinoma, Metastatic, Mammary Gland	1 (5%)		
Stomach, Forestomach	(19)	(13)	(17)
Stomach, Glandular	(18)	(13)	(17)
Tooth	(0)	(0)	(2)
CARDIOVASCULAR SYSTEM			
Heart	(19)	(13)	(17)
Adenocarcinoma, Metastatic, Uncertain Primary Site	1 (5%)		
Sarcoma Stromal, Metastatic, Uterus		1 (8%)	
ENDOCRINE SYSTEM			
Adrenal Gland	(19)	(13)	(17)
Capsule, Sarcoma Stromal, Metastatic, Uterus		1 (8%)	
Adrenal Gland, Cortex	(19)	(13)	(17)
Adrenal Gland, Medulla	(19)	(13)	(17)
Islets, Pancreatic	(18)	(13)	(16)
Adenoma	1 (6%)		
Parathyroid Gland	(13)	(11)	(11)
Pituitary Gland	(17)	(12)	(17)

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: 05069-09

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Mouse/B6C3F1

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

Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)

CAS Number: 147-47-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:16:47

First Dose M/F: NA / NA

Lab: TSI MASON

B6C3F1 Mouse FEMALE	0 MG/KG	6.0 MG/K	10.0 MG/KG
Pars Distalis, Adenoma		2 (17%)	1 (6%)
Thyroid Gland	(19)	(13)	(17)
GENERAL BODY SYSTEM			
None			
GENITAL SYSTEM			
Clitoral Gland	(18)	(13)	(17)
Ovary	(18)	(13)	(16)
Cystadenoma	1 (6%)	1 (8%)	1 (6%)
Luteoma			1 (6%)
Sarcoma Stromal, Metastatic, Uterus		1 (8%)	
Uterus	(19)	(13)	(17)
Polyp Stromal			1 (6%)
Sarcoma Stromal		2 (15%)	
HEMATOPOIETIC SYSTEM			
Bone Marrow	(19)	(13)	(17)
Sarcoma Stromal, Metastatic, Uterus		1 (8%)	
Lymph Node	(1)	(1)	(0)
Iliac, Sarcoma Stromal, Metastatic, Uterus		1 (100%)	
Mediastinal, Adenocarcinoma, Metastatic, Mammary Gland	1 (100%)		
Mediastinal, Sarcoma Stromal, Metastatic, Uterus		1 (100%)	
Renal, Sarcoma Stromal, Metastatic, Uterus		1 (100%)	
Lymph Node, Mandibular	(19)	(13)	(17)
Sarcoma Stromal, Metastatic, Uterus		1 (8%)	
Lymph Node, Mesenteric	(18)	(13)	(16)
Sarcoma Stromal, Metastatic, Uterus		1 (8%)	
Spleen	(19)	(13)	(16)

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: 05069-09

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Mouse/B6C3F1

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

Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)

CAS Number: 147-47-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:16:47

First Dose M/F: NA / NA

Lab: TSI MASON

B6C3F1 Mouse FEMALE	0 MG/KG	6.0 MG/K	10.0 MG/KG
Hemangiosarcoma	1 (5%)		
Sarcoma Stromal, Metastatic, Uterus		1 (8%)	
Thymus	(19)	(12)	(16)
INTEGUMENTARY SYSTEM			
Mammary Gland	(19)	(13)	(17)
Adenocarcinoma	1 (5%)		
Skin	(19)	(13)	(17)
Inguinal, Subcut Tiss, Fibrosarcoma			1 (6%)
Squamous Cell Carcinoma			1 (6%)
Subcut Tiss, Hemangiosarcoma	1 (5%)		
MUSCULOSKELETAL SYSTEM			
Bone	(19)	(13)	(17)
Skeletal Muscle	(1)	(0)	(0)
Adenocarcinoma, Metastatic, Mammary Gland	1 (100%)		
NERVOUS SYSTEM			
Brain	(19)	(13)	(17)
RESPIRATORY SYSTEM			
Lung	(19)	(13)	(17)
Adenocarcinoma, Metastatic, Mammary Gland	1 (5%)		
Alveolar/Bronchiolar Adenoma		1 (8%)	
Hepatocellular Carcinoma, Metastatic, Liver		1 (8%)	
Sarcoma Stromal, Metastatic, Uterus		1 (8%)	
Nose	(19)	(13)	(17)
Trachea	(19)	(13)	(17)
SPECIAL SENSES SYSTEM			

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: 05069-09
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

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

Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:16:47
First Dose M/F: NA / NA
Lab: TSI MASON

B6C3F1 Mouse FEMALE	0 MG/KG	6.0 MG/K	10.0 MG/KG
None			
URINARY SYSTEM			
Kidney	(19)	(13)	(17)
Adenocarcinoma, Metastatic, Mammary Gland	1 (5%)		
Sarcoma Stromal, Metastatic, Uterus		1 (8%)	
Urinary Bladder	(18)	(13)	(17)
SYSTEMIC LESIONS			
Multiple Organ	*(19)	*(13)	*(17)
Lymphoma Malignant Mixed			1 (6%)

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: 05069-09
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

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

Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:16:47
First Dose M/F: NA / NA
Lab: TSI MASON

B6C3F1 Mouse FEMALE	0 MG/KG	6.0 MG/K	10.0 MG/KG
Tumor Summary for FEMALE			
Total Animals with Primary Neoplasms (b)	6	5	11
Total Primary Neoplasms	9	8	13
Total Animals with Benign Neoplasms	3	5	9
Total Benign Neoplasms	5	5	9
Total Animals with Malignant Neoplasms	3	2	4
Total Malignant Neoplasms	4	3	4
Total Animals with Metastatic Neoplasms	1	1	
Total Metastatic Neoplasms	8	16	
Total Animals with Malignant Neoplasms Uncertain Primary Site	1		
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