

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: 147-47-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:16:54

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

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B6C3F1 Mouse Male 0 MG/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ANIMAL ID	4	4	4	4	4	4	4	4	4	4	5	5	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7
		2	6	6	6	6	6	6	6	6	7	0	9	1	4	5	7	9	0	2	3	3	3	3	3	3	3	3	3
		8	3	3	3	3	3	3	3	3	1	8	8	7	8	2	7	1	9	2	1	1	1	1	1	1	1	1	1
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		5	0	0	1	1	1	2	2	3	4	4	1	0	1	3	1	5	0	3	4	2	0	0	0	0	1	1	1
		4	7	8	0	4	8	4	6	3	1	5	7	6	3	7	6	3	3	5	6	9	1	2	4	5	9	1	2

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gallbladder	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small																													+
Intestine Small, Duodenum	A	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hepatocellular Adenoma								X	X			X																	
Hepatocellular Carcinoma	X												X																X
Schwannoma Malignant, Metastatic, Salivary Glands																													X
Mesentery																													+
Hepatocellular Carcinoma, Metastatic, Liver																													X
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Schwannoma Malignant																													X
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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 Lab: TSI MASON

DAY ON TEST	ANIMAL ID																													
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B6C3F1 Mouse Male	4	4	4	4	4	4	4	4	4	4	4	4	5	5	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7
0 MG/KG	2	6	6	6	6	6	6	6	6	6	6	7	0	9	1	4	5	7	9	0	2	3	3	3	3	3	3	3	3	3
	8	3	3	3	3	3	3	3	3	3	3	1	8	8	7	8	2	7	1	9	2	1	1	1	1	1	1	1	1	1
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	0	0	1	1	1	2	2	3	4	4	1	0	1	3	1	5	0	3	4	2	0	0	0	0	1	1	1	1	2
	4	7	8	0	4	8	4	6	3	1	5	7	6	3	7	6	3	3	5	6	9	1	2	4	5	9	1	2	5	9

Cardiovascular System

Heart + + + + + + + + + + + + + +

Endocrine System

Adrenal Gland + + + + + + + + + + + + + +
 Adrenal Gland, Cortex + + + + + + + + + + + + + +
 Adrenal Gland, Medulla + + + + + + + + + + + + + +
 Islets, Pancreatic + + + + + + + + + + + + + +
 Parathyroid Gland M + + + + + + + + + + M + + +
 Pituitary Gland + + + + + + + + + + + + + +
 Thyroid Gland + + + + + + + + + + + + + +

General Body System

NONE

Genital System

Epididymis + + + + + + + + + + + + + +
 Preputial Gland + + + + + + + + + + + + + +
 Prostate + + + + + + + + + + + + + +
 Seminal Vesicle + + + + + + + + + + + + + +
 Testes + + + + + + + + + + + + + +

Hematopoietic System

Bone Marrow + + + + + + + + + + + + + +

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B6C3F1 Mouse Male 0 MG/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	ANIMAL ID	4	4	4	4	4	4	4	4	4	4	4	5	5	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7			
		2	6	6	6	6	6	6	6	6	6	7	0	9	1	4	5	7	9	0	2	3	3	3	3	3	3	3	3	3	3	3	3	3			
		8	3	3	3	3	3	3	3	3	3	1	8	8	7	8	2	7	1	9	2	1	1	1	1	1	1	1	1	1	1	1	1	1			
Lymph Node		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Lymph Node, Mandibular		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Schwannoma Malignant, Metastatic, Salivary Glands		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Lymph Node, Mesenteric		5	0	0	1	1	1	2	2	3	4	4	1	0	1	3	1	5	0	3	4	2	0	0	0	0	0	0	0	0	0	0	0	0			
Spleen		4	7	8	0	4	8	4	6	3	1	5	7	6	3	7	6	3	3	5	6	9	1	2	4	5	9	1	2	5	9	2	0				
Thymus																																					
Mixed Tumor Benign																																					
Integumentary System																																					
Mammary Gland																																					
Skin																																					
Musculoskeletal System																																					
Bone																																					
Nervous System																																					
Brain																																					
Respiratory System																																					
Lung																																					
Alveolar/Bronchiolar Adenoma																																					
Nose																																					
Trachea																																					

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Lab: TSI MASON

B6C3F1 Mouse Male 0 MG/KG	DAY ON TEST	ANIMAL ID																													
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		4	4	4	4	4	4	4	4	4	4	4	5	5	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7
	8	3	3	3	3	3	3	3	3	3	3	1	8	8	7	8	2	7	1	9	2	1	1	1	1	1	1	1	1	1	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	5	0	0	0	1	1	1	2	2	3	4	4	1	0	1	3	1	5	0	3	4	2	0	0	0	0	1	1	1	2	
	4	7	8	0	4	8	4	2	6	3	1	5	7	6	3	7	6	3	3	5	6	9	1	2	4	5	9	1	2	5	

Special Senses System

NONE

Urinary System

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

SYSTEMIC LESIONS

Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymphoma Malignant Lymphocytic																														X

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 Lab: TSI MASON

DAY ON TEST	B6C3F1 Mouse Male 0 MG/KG																												
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	3	3	3	3	3	3	3	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	6
	1	2	3	5	7	8	0	1	2	4	6	8	9	0	2	3	4	7	8	9	0	1	2	5	6	7	8	9	0

Alimentary System

- Esophagus
- Gallbladder
- Intestine Large, Cecum
- Intestine Large, Colon
- Intestine Large, Rectum
- Intestine Small
- Intestine Small, Duodenum
- Intestine Small, Ileum
- Intestine Small, Jejunum
- Liver
 - Hepatocellular Adenoma
 - Hepatocellular Carcinoma
 - Schwannoma Malignant, Metastatic, Salivary
- Glands
 - Mesentery
 - Hepatocellular Carcinoma, Metastatic, Liver
 - Pancreas
 - Salivary Glands
 - Schwannoma Malignant
 - Stomach, Forestomach
 - Stomach, Glandular

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B6C3F1 Mouse Male	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
0 MG/KG	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	3	3	3	3	3	3	3	4	4	4	4	4	4	4	5	5	5	5	5	5	5	6	
	1	2	3	5	7	8	0	1	2	4	6	8	9	0	2	3	4	7	8	9	0	1	2	5	6	7	8	9	

Cardiovascular System

Heart

Endocrine System

- Adrenal Gland
- Adrenal Gland, Cortex
- Adrenal Gland, Medulla
- Islets, Pancreatic
- Parathyroid Gland
- Pituitary Gland
- Thyroid Gland

General Body System

NONE

Genital System

- Epididymis
- Preputial Gland
- Prostate
- Seminal Vesicle
- Testes

Hematopoietic System

Bone Marrow

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	5	5	5	5	5	5	5	6	

- Lymph Node
- Lymph Node, Mandibular
- Schwannoma Malignant, Metastatic, Salivary Glands
- Lymph Node, Mesenteric
- Spleen
- Thymus
- Mixed Tumor Benign
- Integumentary System**
- Mammary Gland
- Skin
- Musculoskeletal System**
- Bone
- Nervous System**
- Brain
- Respiratory System**
- Lung
- Alveolar/Bronchiolar Adenoma
- Nose
- Trachea

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B6C3F1 Mouse Male 0 MG/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7		
		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	2	2	2	2	2	2	3	3	3	3	3	3	3	4	4	4	4	4	4	4	5	5	5	5	5	5			
	1	2	3	5	7	8	0	1	2	4	6	8	9	0	2	3	4	7	8	9	0	1	2	5	6	7	8	9	0

Special Senses System

NONE

Urinary System

Kidney

Urinary Bladder

SYSTEMIC LESIONS

Multiple Organ

Lymphoma Malignant Lymphocytic

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 05069-09

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Mouse/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: 147-47-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:16:55

First Dose M/F: NA / NA

Lab: TSI MASON

DAY ON TEST

**B6C3F1 Mouse Male
0 MG/KG**

ANIMAL ID

*TOTALS

Alimentary System

Esophagus	15
Gallbladder	14
Intestine Large, Cecum	14
Intestine Large, Colon	15
Intestine Large, Rectum	15
Intestine Small	1
Intestine Small, Duodenum	13
Intestine Small, Ileum	14
Intestine Small, Jejunum	14
Liver	15
Hepatocellular Adenoma	3
Hepatocellular Carcinoma	3
Schwannoma Malignant, Metastatic, Salivary Glands	1
Mesentery	1
Hepatocellular Carcinoma, Metastatic, Liver	1
Pancreas	15
Salivary Glands	15
Schwannoma Malignant	1
Stomach, Forestomach	15
Stomach, Glandular	15

Cardiovascular System

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:16:55
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

B6C3F1 Mouse Male
0 MG/KG

ANIMAL ID	*TOTALS
Heart	15
Endocrine System	
Adrenal Gland	14
Adrenal Gland, Cortex	15
Adrenal Gland, Medulla	15
Islets, Pancreatic	15
Parathyroid Gland	13
Pituitary Gland	15
Thyroid Gland	15
General Body System	
NONE	
Genital System	
Epididymis	15
Preputial Gland	15
Prostate	15
Seminal Vesicle	15
Testes	15
Hematopoietic System	
Bone Marrow	15
Lymph Node	1
Lymph Node, Mandibular	15

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Date Report Requested: 10/21/2014
Time Report Requested: 01:16:55
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

B6C3F1 Mouse Male
0 MG/KG

ANIMAL ID	*TOTALS
Schwannoma Malignant, Metastatic, Salivary Glands	1
Lymph Node, Mesenteric	15
Spleen	15
Thymus	14
Mixed Tumor Benign	1
Integumentary System	
Mammary Gland	1
Skin	15
Musculoskeletal System	
Bone	15
Nervous System	
Brain	15
Respiratory System	
Lung	15
Alveolar/Bronchiolar Adenoma	3
Nose	15
Trachea	15
Special Senses System	
NONE	
Urinary System	

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:16:55
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

B6C3F1 Mouse Male
0 MG/KG

	ANIMAL ID	*TOTALS
Kidney		15
Urinary Bladder		15
SYSTEMIC LESIONS		
Multiple Organ		15
Lymphoma Malignant Lymphocytic		1

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
 CAS Number: 147-47-7

Date Report Requested: 10/21/2014
 Time Report Requested: 01:16:55
 First Dose M/F: NA / NA
 Lab: TSI MASON

B6C3F1 Mouse Male 6.0 MG/K	DAY ON TEST																											
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	4	4	5	5	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7
	6	6	6	6	6	6	6	6	6	6	7	7	9	5	6	7	7	9	3	3	3	3	3	3	3	3	3	3
	3	3	3	3	3	3	3	3	3	3	1	9	2	1	7	3	4	8	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	1	1	1	1	1	1	0	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1
	6	6	7	8	9	9	0	0	1	1	1	1	9	1	0	0	6	9	8	9	9	9	9	9	0	0	0	0
	7	8	9	0	2	9	4	9	0	4	8	2	8	3	7	5	6	6	9	0	1	3	4	5	7	0	1	2

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gallbladder	M	+	+	+	+	+	M	+	+	+	A	+	+															
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	A	+	+															
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	A	+	+															
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	A	+	+															
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	A	+	+															
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	A	+	+															
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	A	+	+															
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hepatocellular Adenoma				X			X	X			X	X																
Hepatocellular Carcinoma										X	X																	
Pancreas	+	+	+	+	+	+	+	+	+	+	A	+	+															
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	A	+	+															
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	A	+	+															
Tongue																												
Squamous Cell Carcinoma																												

Cardiovascular System

Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
-------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Endocrine System

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
 CAS Number: 147-47-7

Date Report Requested: 10/21/2014
 Time Report Requested: 01:16:56
 First Dose M/F: NA / NA
 Lab: TSI MASON

B6C3F1 Mouse Male 6.0 MG/K	DAY ON TEST																														
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
ANIMAL ID	4	4	4	4	4	4	4	4	4	4	5	5	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7			
	6	6	6	6	6	6	6	6	6	6	7	7	9	5	6	7	7	9	3	3	3	3	3	3	3	3	3	3	3		
	3	3	3	3	3	3	3	3	3	1	9	2	1	7	3	4	8	0	0	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	1	1	1	1	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1		
	6	6	7	8	9	9	0	0	0	1	1	1	9	1	0	6	9	8	9	9	9	9	9	9	0	0	0	0	0		
	7	8	9	0	2	9	4	9	0	4	8	2	8	3	7	5	6	6	9	0	1	3	4	5	7	0	1	2	3		
Adrenal Gland	+	+	+		+	+	+	+	+		+	+																			
Adrenal Gland, Cortex	+	+	+	+	+	+	+	+	+	+	+	+																			
Adrenal Gland, Medulla	+	+	+	+	+	+	+	+	+	+	+	+																			
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	A	+	+																		
Parathyroid Gland	+	M	+	+	M	+	+	+	+	M	+	+	+																		
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+																			
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+																			
General Body System																															
NONE																															
Genital System																															
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+																			
Penis																															
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+																			
Prostate	+	+	+	+	+	+	+	+	+	+	+	+																			
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+																			
Testes	+	+	+	+	+	+	+	+	+	+	+	+																			
Hematopoietic System																															
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+																			
Lymph Node																															
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+																			
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	M	+	+																		

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
 CAS Number: 147-47-7

Date Report Requested: 10/21/2014
 Time Report Requested: 01:16:56
 First Dose M/F: NA / NA
 Lab: TSI MASON

B6C3F1 Mouse Male 6.0 MG/K	DAY ON TEST																												
	ANIMAL ID																												
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	4	4	4	5	5	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7
	6	6	6	6	6	6	6	6	6	6	6	7	7	9	5	6	7	7	9	3	3	3	3	3	3	3	3	3	3
	3	3	3	3	3	3	3	3	3	3	3	1	9	2	1	7	3	4	8	0	0	0	0	0	0	0	0	0	0
Spleen	+	+	+	+	+	+	+	+	+	+	M	M	+																
Thymus	+	+	+	+	+	+	+	+	+	+	A	+	+																
Integumentary System																													
Mammary Gland	M	M	M	M	M	M	M	M	M	+	M	M	M																
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+																
Musculoskeletal System																													
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+																
Nervous System																													
Brain	+	M	+	+	+	+	+	+	+	+	+	+	+																
Respiratory System																													
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+																
Alveolar/Bronchiolar Adenoma																												X	
Alveolar/Bronchiolar Carcinoma																												X	
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+																
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+																
Special Senses System																													
NONE																													
Urinary System																													
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+																

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Date Report Requested: 10/21/2014
Time Report Requested: 01:16:56
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	4	4	5	5	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	
B6C3F1 Mouse Male	6	6	6	6	6	6	6	6	6	6	7	7	9	5	6	7	7	9	3	3	3	3	3	3	3	3	3	3	3	3	3	
6.0 MG/K	3	3	3	3	3	3	3	3	3	3	1	9	2	1	7	3	4	8	0	0	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	1	1	1	1	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	
	6	6	7	8	9	9	0	0	1	1	1	1	9	1	0	0	6	9	8	9	9	9	9	9	9	9	0	0	0	0	0	
7	8	9	0	2	9	4	9	0	4	8	2	8	3	7	5	6	6	9	0	1	3	4	5	7	0	1	2	3	6	8		
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+																			
SYSTEMIC LESIONS																																
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+																			

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Date Report Requested: 10/21/2014
 Time Report Requested: 01:16:56
 First Dose M/F: NA / NA
 Lab: TSI MASON

B6C3F1 Mouse Male 6.0 MG/K	DAY ON TEST		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	ANIMAL ID		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
			7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7		
			3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
			0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
			1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
			1	1	1	1	1	2	6	6	6	6	6	6	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8		
			1	5	6	7	9	0	1	2	3	4	5	9	0	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8

Alimentary System

- Esophagus
- Gallbladder
- Intestine Large, Cecum
- Intestine Large, Colon
- Intestine Large, Rectum
- Intestine Small, Duodenum
- Intestine Small, Ileum
- Intestine Small, Jejunum
- Liver
 - Hepatocellular Adenoma
 - Hepatocellular Carcinoma
- Pancreas
- Salivary Glands
- Stomach, Forestomach
- Stomach, Glandular
- Tongue
 - Squamous Cell Carcinoma

Cardiovascular System

- Heart

Endocrine System

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
 CAS Number: 147-47-7

Date Report Requested: 10/21/2014
 Time Report Requested: 01:16:57
 First Dose M/F: NA / NA
 Lab: TSI MASON

B6C3F1 Mouse Male 6.0 MG/K	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	2	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	1	5	6	7	9	0	1	2	3	4	5	9	0	1	2	3	4	5	6	7	8	1	2	3	4	5	6	8

Adrenal Gland
 Adrenal Gland, Cortex
 Adrenal Gland, Medulla
 Islets, Pancreatic
 Parathyroid Gland
 Pituitary Gland
 Thyroid Gland

General Body System

NONE
Genital System

Epididymis
 Penis
 Preputial Gland
 Prostate
 Seminal Vesicle
 Testes

Hematopoietic System

Bone Marrow
 Lymph Node
 Lymph Node, Mandibular
 Lymph Node, Mesenteric

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 05069-09

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/21/2014

Test Type: CHRONIC

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

Time Report Requested: 01:16:57

Route: DERMAL,SOLUTION

CAS Number: 147-47-7

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: TSI MASON

B6C3F1 Mouse Male 6.0 MG/K	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
		0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		1	1	1	1	1	2	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
		1	5	6	7	9	0	1	2	3	4	5	9	0	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8

Spleen

Thymus

Integumentary System

Mammary Gland

Skin

Musculoskeletal System

Bone

Nervous System

Brain

Respiratory System

Lung

Alveolar/Bronchiolar Adenoma

Alveolar/Bronchiolar Carcinoma

Nose

Trachea

Special Senses System

NONE

Urinary System

Kidney

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

B6C3F1 Mouse Male 6.0 MG/K	DAY ON TEST	ANIMAL ID																											
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	2	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8
	1	5	6	7	9	0	1	2	3	4	5	9	0	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8

Urinary Bladder
SYSTEMIC LESIONS
 Multiple Organ

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

B6C3F1 Mouse Male
6.0 MG/K

ANIMAL ID

*TOTALS

Alimentary System

Esophagus	13
Gallbladder	10
Intestine Large, Cecum	12
Intestine Large, Colon	12
Intestine Large, Rectum	12
Intestine Small, Duodenum	12
Intestine Small, Ileum	12
Intestine Small, Jejunum	12
Liver	13
Hepatocellular Adenoma	5
Hepatocellular Carcinoma	2
Pancreas	12
Salivary Glands	13
Stomach, Forestomach	12
Stomach, Glandular	12
Tongue	1
Squamous Cell Carcinoma	1

Cardiovascular System

Heart	13
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Endocrine System

Adrenal Gland	10
---------------	----

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Date Report Requested: 10/21/2014
Time Report Requested: 01:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

B6C3F1 Mouse Male
6.0 MG/K

ANIMAL ID	*TOTALS
<hr/>	
Adrenal Gland, Cortex	13
Adrenal Gland, Medulla	13
Islets, Pancreatic	12
Parathyroid Gland	10
Pituitary Gland	13
Thyroid Gland	13
General Body System	
NONE	
Genital System	
Epididymis	13
Penis	1
Preputial Gland	13
Prostate	13
Seminal Vesicle	13
Testes	13
Hematopoietic System	
Bone Marrow	13
Lymph Node	1
Lymph Node, Mandibular	13
Lymph Node, Mesenteric	12
Spleen	11
Thymus	12

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Date Report Requested: 10/21/2014
Time Report Requested: 01:16:57
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

**B6C3F1 Mouse Male
6.0 MG/K**

ANIMAL ID	*TOTALS
Integumentary System	
Mammary Gland	1
Skin	13
Musculoskeletal System	
Bone	13
Nervous System	
Brain	12
Respiratory System	
Lung	13
Alveolar/Bronchiolar Adenoma	1
Alveolar/Bronchiolar Carcinoma	1
Nose	13
Trachea	13
Special Senses System	
NONE	
Urinary System	
Kidney	13
Urinary Bladder	13
SYSTEMIC LESIONS	
Multiple Organ	13

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

Experiment Number: 05069-09

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/21/2014

Test Type: CHRONIC

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

Time Report Requested: 01:16:57

Route: DERMAL,SOLUTION

CAS Number: 147-47-7

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: TSI MASON

B6C3F1 Mouse Male 10.0 MG/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		3	4	4	4	4	4	4	4	4	4	5	5	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7
		1	6	6	6	6	6	6	6	6	6	6	7	1	4	5	5	5	8	2	2	2	2	2	2	2	2	2	2	2
		6	3	3	3	3	3	3	3	3	3	6	6	9	9	5	6	9	4	2	9	9	9	9	9	9	9	9	9	9
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	2	2	2	2	4	4	4	5	6	6	7	4	3	4	3	7	7	7	2	2	2	2	3	3	3	3	3	3	3	
	8	5	6	7	5	6	7	7	5	7	4	3	1	0	7	0	5	2	1	4	2	3	9	0	2	3	4	5	6	

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gallbladder	M	+	+	+	+	+	+	+	+	+	+	A	M	+
Intestine Large, Cecum	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	A	+	+	+	+	+	+	+	+	+	+	+	A	+
Intestine Small, Jejunum	A	+	+	+	+	+	+	+	+	+	+	+	A	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma, Metastatic, Islets, Pancreatic												X		
Hepatocellular Adenoma	X							X	X	X				
Mesentery												+		
Pancreas	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Glandular	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Tooth								+						+

Cardiovascular System

Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+
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Endocrine System

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Date Report Requested: 10/21/2014
 Time Report Requested: 01:16:57
 First Dose M/F: NA / NA
 Lab: TSI MASON

B6C3F1 Mouse Male 10.0 MG/KG	DAY ON TEST																													
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	3	4	4	4	4	4	4	4	4	4	4	5	5	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	
ANIMAL ID	1	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
8	5	6	7	5	6	7	7	5	7	4	3	1	0	7	0	5	2	1	4	2	3	9	0	2	3	4	5	6	8	9
Adrenal Gland		+		+	+	+	+	+		+	+	+	+																	
Adrenal Gland, Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+																	
Adrenal Gland, Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+																	
Islets, Pancreatic	A	+	+	+	+	+	+	+	+	+	+	+	+																	
Carcinoma														X																
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	M	+	+	+																
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+																	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+																	
Follicular Cel, Adenoma												X																		
General Body System																														
NONE																														
Genital System																														
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Penis																													+	
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hematopoietic System																														
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
 CAS Number: 147-47-7

Date Report Requested: 10/21/2014
 Time Report Requested: 01:16:58
 First Dose M/F: NA / NA
 Lab: TSI MASON

		DAY ON TEST																													
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		3	4	4	4	4	4	4	4	4	4	5	5	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	
		1	6	6	6	6	6	6	6	6	6	6	7	1	4	5	5	5	8	2	2	2	2	2	2	2	2	2	2	2	
		6	3	3	3	3	3	3	3	3	3	6	6	9	5	6	9	4	2	9	9	9	9	9	9	9	9	9	9	9	
B6C3F1 Mouse Male 10.0 MG/KG	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
		2	2	2	2	4	4	4	5	6	6	7	4	3	4	3	4	3	7	7	2	2	2	2	3	3	3	3	3	3	
		8	5	6	7	5	6	7	7	5	7	4	3	1	0	0	0	5	2	1	4	2	2	3	9	0	2	3	4	5	
Lymph Node, Mesenteric		+	+	+	+	+	+	+	+	+	+	M	+	+																	
Spleen		+	+	+	+	+	+	+	+	+	+	+	+	+																	
Thymus		+	+	+	+	+	+	+	+	+	+	+	+	+																	
Integumentary System																															
Mammary Gland		M	M	M	M	M	M	M	M	M	M	M	M	+																	
Skin		+	+	+	+	+	+	+	+	+	+	+	+	+	+																
Musculoskeletal System																															
Bone		+	+	+	+	+	+	+	+	+	+	+	+	+																	
Nervous System																															
Brain		+	+	M	+	+	+	+	+	+	+	+	+	+																	
Respiratory System																															
Lung		+	+	+	+	+	+	+	+	+	+	+	+	+																	
Nose		+	+	+	+	+	+	+	+	+	+	+	+	+																	
Trachea		+	+	+	+	+	+	+	+	+	+	+	+	+																	
Special Senses System																															
Harderian Gland														+																	
Adenoma														X																	
Urinary System																															
Kidney		+	+	+	+	+	+	+	+	+	+	+	+	+																	

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 05069-09

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/21/2014

Test Type: CHRONIC

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

Time Report Requested: 01:16:58

Route: DERMAL,SOLUTION

CAS Number: 147-47-7

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: TSI MASON

B6C3F1 Mouse Male 10.0 MG/KG	DAY ON TEST																																				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	3	4	4	4	4	4	4	4	4	4	4	4	5	5	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
	1	6	6	6	6	6	6	6	6	6	6	6	7	1	4	5	5	5	8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
	6	3	3	3	3	3	3	3	3	3	3	6	6	9	9	5	6	9	4	2	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9		
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	2	2	2	2	4	4	4	5	6	6	7	4	3	4	3	7	7	7	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	
	8	5	6	7	5	6	7	7	5	7	4	3	1	0	7	0	5	2	1	4	2	2	3	9	0	2	3	4	5	6	8	8	9	9	9		
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+																						
SYSTEMIC LESIONS																																					
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+																							

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Date Report Requested: 10/21/2014
 Time Report Requested: 01:16:58
 First Dose M/F: NA / NA
 Lab: TSI MASON

B6C3F1 Mouse Male
10.0 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	
	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	0	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	4	4	4	4	4	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
	1	2	4	8	9	0	1	2	3	4	5	6	8	9	0	1	2	3	4	6	8	9	1	3	6	7	8	9	0	0	

Alimentary System

- Esophagus
- Gallbladder
- Intestine Large, Cecum
- Intestine Large, Colon
- Intestine Large, Rectum
- Intestine Small, Duodenum
- Intestine Small, Ileum
- Intestine Small, Jejunum
- Liver
 - Carcinoma, Metastatic, Islets, Pancreatic
 - Hepatocellular Adenoma
- Mesentery
- Pancreas
- Salivary Glands
- Stomach, Forestomach
- Stomach, Glandular
- Tooth

Cardiovascular System

- Heart

Endocrine System

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
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 BLANK ..Not examined microscopically

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

B6C3F1 Mouse Male 10.0 MG/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	ANIMAL ID	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3
	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	4	4	4	4	4	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	8	
	1	2	4	8	9	0	1	2	3	4	5	6	8	9	0	1	2	3	4	6	8	9	1	3	6	

- Adrenal Gland
- Adrenal Gland, Cortex
- Adrenal Gland, Medulla
- Islets, Pancreatic
- Carcinoma
- Parathyroid Gland
- Pituitary Gland
- Thyroid Gland
- Follicular Cel, Adenoma

- General Body System**
- NONE
- Genital System**
- Epididymis
 - Penis
 - Preputial Gland
 - Prostate
 - Seminal Vesicle
 - Testes
- Hematopoietic System**
- Bone Marrow
 - Lymph Node, Mandibular

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
 CAS Number: 147-47-7

Date Report Requested: 10/21/2014
 Time Report Requested: 01:16:58
 First Dose M/F: NA / NA
 Lab: TSI MASON

B6C3F1 Mouse Male 10.0 MG/KG	DAY ON TEST																											
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	
	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	4	4	4	4	4	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6		
	1	2	4	8	9	0	1	2	3	4	5	6	8	9	0	1	2	3	4	6	8	9	1	3	6	7		

Lymph Node, Mesenteric
 Spleen
 Thymus

Integumentary System

Mammary Gland
 Skin

Musculoskeletal System

Bone

Nervous System

Brain

Respiratory System

Lung
 Nose
 Trachea

Special Senses System

Harderian Gland
 Adenoma

Urinary System

Kidney

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

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 A ..Autolysis precludes evaluation
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Experiment Number: 05069-09
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Date Report Requested: 10/21/2014
Time Report Requested: 01:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

B6C3F1 Mouse Male
10.0 MG/KG

ANIMAL ID

*TOTALS

Alimentary System

Esophagus	14
Gallbladder	11
Intestine Large, Cecum	13
Intestine Large, Colon	13
Intestine Large, Rectum	13
Intestine Small, Duodenum	13
Intestine Small, Ileum	12
Intestine Small, Jejunum	12
Liver	14
Carcinoma, Metastatic, Islets, Pancreatic	1
Hepatocellular Adenoma	4
Mesentery	1
Pancreas	13
Salivary Glands	14
Stomach, Forestomach	13
Stomach, Glandular	13
Tooth	2

Cardiovascular System

Heart	14
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Endocrine System

Adrenal Gland	10
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* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Date Report Requested: 10/21/2014
Time Report Requested: 01:16:58
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

B6C3F1 Mouse Male
10.0 MG/KG

ANIMAL ID

***TOTALS**

Adrenal Gland, Cortex	14
Adrenal Gland, Medulla	14
Islets, Pancreatic	13
Carcinoma	1
Parathyroid Gland	13
Pituitary Gland	14
Thyroid Gland	14
Follicular Cel, Adenoma	1
General Body System	
NONE	
Genital System	
Epididymis	14
Penis	1
Preputial Gland	14
Prostate	14
Seminal Vesicle	14
Testes	14
Hematopoietic System	
Bone Marrow	14
Lymph Node, Mandibular	14
Lymph Node, Mesenteric	13
Spleen	14

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Date Report Requested: 10/21/2014
Time Report Requested: 01:16:59
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

B6C3F1 Mouse Male
10.0 MG/KG

ANIMAL ID	*TOTALS
Thymus	14
Integumentary System	
Mammary Gland	1
Skin	14
Musculoskeletal System	
Bone	14
Nervous System	
Brain	13
Respiratory System	
Lung	14
Nose	14
Trachea	14
Special Senses System	
Harderian Gland	1
Adenoma	1
Urinary System	
Kidney	14
Urinary Bladder	14
SYSTEMIC LESIONS	
Multiple Organ	14

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

Experiment Number: 05069-09

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Mouse/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: 147-47-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:16:59

First Dose M/F: NA / NA

Lab: TSI MASON

END OF MALE DATA

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

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M ..Missing tissue

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BLANK ..Not examined microscopically

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
 CAS Number: 147-47-7

Date Report Requested: 10/21/2014
 Time Report Requested: 01:16:59
 First Dose M/F: NA / NA
 Lab: TSI MASON

DAY ON TEST	ANIMAL ID																												
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B6C3F1 Mouse Female	1	4	4	4	4	4	4	4	4	4	4	5	5	5	5	6	6	6	7	7	7	7	7	7	7	7	7	7	7
0 MG/KG	9	6	6	6	6	6	6	6	6	6	6	2	4	6	9	0	1	8	0	2	3	3	3	3	3	3	3	3	3
	1	2	2	2	2	2	2	2	2	2	2	9	3	8	5	5	2	2	6	2	5	6	6	6	6	6	6	6	6
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	2
	0	9	0	0	0	1	1	2	2	3	4	3	4	4	1	2	4	4	2	0	0	9	9	9	0	0	0	1	1
	7	9	2	5	9	5	7	3	5	4	0	6	8	1	6	9	2	6	0	1	6	6	7	8	0	3	4	8	0

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Gallbladder	A	+	+	+	+	+	+	+	+	+	+	+	A	A	+	+	+													
Intestine Large, Cecum	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Colon	A	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+													
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Duodenum	A	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+													
Intestine Small, Ileum	A	+	+	+	+	+	+	+	+	+	+	+	+	A	A	+	+	+												
Intestine Small, Jejunum	A	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+													
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Adenocarcinoma, Metastatic, Mammary Gland																													X	
Hepatocellular Adenoma				X																										
Hepatocellular Adenoma, Multiple												X		X																
Hepatocellular Carcinoma																													X	
Mesentery													+																+	+
Pancreas	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Adenocarcinoma, Metastatic, Mammary Gland																													X	
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Adenocarcinoma, Metastatic, Mammary Gland																													X	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
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 BLANK ..Not examined microscopically

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
 CAS Number: 147-47-7

Date Report Requested: 10/21/2014
 Time Report Requested: 01:16:59
 First Dose M/F: NA / NA
 Lab: TSI MASON

DAY ON TEST	ANIMAL ID																											
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B6C3F1 Mouse Female	1	4	4	4	4	4	4	4	4	4	4	5	5	5	5	6	6	6	7	7	7	7	7	7	7	7	7	7
0 MG/KG	9	6	6	6	6	6	6	6	6	6	6	2	4	6	9	0	1	8	0	2	3	3	3	3	3	3	3	3
	1	2	2	2	2	2	2	2	2	2	2	9	3	8	5	5	2	2	6	2	5	6	6	6	6	6	6	6
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	2
	0	9	0	0	0	1	1	2	2	3	4	3	4	4	1	2	4	4	2	0	0	9	9	9	0	0	0	0
	7	9	2	5	9	5	7	3	5	4	0	6	8	1	6	9	2	6	0	1	6	6	7	8	0	3	4	8
Stomach, Glandular	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+											
Cardiovascular System																												
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+											
Adenocarcinoma, Metastatic, Uncertain Primary Site																												X
Endocrine System																												
Adrenal Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+											
Adrenal Gland, Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+											
Adrenal Gland, Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+											
Islets, Pancreatic	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+											
Adenoma													X															
Parathyroid Gland	M	+	+	+	+	+	M	M	+	M	+	+	+	+	+	+	+											
Pituitary Gland	M	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+											
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+											
General Body System																												
NONE																												
Genital System																												
Clitoral Gland	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+											
Ovary	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+											
Cystadenoma																												X
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+											

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

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

Date Report Requested: 10/21/2014
 Time Report Requested: 01:16:59
 First Dose M/F: NA / NA
 Lab: TSI MASON

DAY ON TEST	ANIMAL ID																															
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
B6C3F1 Mouse Female	1	4	4	4	4	4	4	4	4	4	4	5	5	5	5	6	6	6	7	7	7	7	7	7	7	7	7	7				
0 MG/KG	9	6	6	6	6	6	6	6	6	6	6	2	4	6	9	0	1	8	0	2	3	3	3	3	3	3	3	3				
	1	2	2	2	2	2	2	2	2	2	2	9	3	8	5	5	2	2	6	2	5	6	6	6	6	6	6	6				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	2				
	0	9	0	0	0	1	1	2	2	3	4	3	4	4	1	2	4	4	2	0	0	9	9	9	0	0	0	0				
	7	9	2	5	9	5	7	3	5	4	0	6	8	1	6	9	2	6	0	1	6	6	7	8	0	3	4	8	0	1	1	2

Hematopoietic System

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Lymph Node																																	+
Mediastinal, Adenocarcinoma, Metastatic, Mammary Gland																																	X
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymph Node, Mesenteric	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemangiosarcoma																																	X
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

Integumentary System

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Adenocarcinoma																																	X
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Subcut Tiss, Hemangiosarcoma																																	X

Musculoskeletal System

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Skeletal Muscle																																	+
Adenocarcinoma, Metastatic, Mammary Gland																																	X

Nervous System

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Date Report Requested: 10/21/2014
 Time Report Requested: 01:16:59
 First Dose M/F: NA / NA
 Lab: TSI MASON

		DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
			1	4	4	4	4	4	4	4	4	4	5	5	5	5	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	
			9	6	6	6	6	6	6	6	6	6	2	4	6	9	0	1	8	0	2	3	3	3	3	3	3	3	3	3	3		
			1	2	2	2	2	2	2	2	2	2	9	3	8	5	5	2	2	6	2	5	6	6	6	6	6	6	6	6	6		
B6C3F1 Mouse Female 0 MG/KG	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
	0	9	0	0	0	1	1	2	2	3	4	3	4	4	1	2	4	4	2	0	0	9	9	9	0	0	0	0	1	1	1		
	7	9	2	5	9	5	7	3	5	4	0	6	8	1	6	9	2	6	0	1	6	7	8	0	3	4	8	0	1	1	2		
Brain			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Respiratory System																																	
Lung			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Adenocarcinoma, Metastatic, Mammary Gland																																X	
Nose			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Trachea			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Special Senses System																																	
NONE																																	
Urinary System																																	
Kidney			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Adenocarcinoma, Metastatic, Mammary Gland																																	X
Urinary Bladder			A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
SYSTEMIC LESIONS																																	
Multiple Organ			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 05069-09

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Mouse/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: 147-47-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:16:59

First Dose M/F: NA / NA

Lab: TSI MASON

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
B6C3F1 Mouse Female 0 MG/KG	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7			
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3			
	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6			
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	4	4	4	4	4	5	5	5	5	5			
	3	4	8	9	1	2	4	6	7	8	0	1	2	3	5	7	8	9	3	4	5	7	9	0	3	4	5	2	1

Alimentary System

Esophagus	M	+
Gallbladder	+	+
Intestine Large, Cecum	+	+
Intestine Large, Colon	+	+
Intestine Large, Rectum	+	+
Intestine Small, Duodenum	+	+
Intestine Small, Ileum	+	+
Intestine Small, Jejunum	+	+
Liver	+	+
Adenocarcinoma, Metastatic, Mammary Gland		
Hepatocellular Adenoma		
Hepatocellular Adenoma, Multiple		
Hepatocellular Carcinoma		
Mesentery		
Pancreas		
Adenocarcinoma, Metastatic, Mammary Gland		
Salivary Glands	+	+
Adenocarcinoma, Metastatic, Mammary Gland		
Stomach, Forestomach	+	+

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:17:00
First Dose M/F: NA / NA
Lab: TSI MASON

		DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
B6C3F1 Mouse Female 0 MG/KG		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	0	0								
		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	7	9							
		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	8	4							
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2							
	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2							
	3	4	8	9	1	2	4	6	7	8	0	1	2	3	5	7	8	9	3	4	4	5	7	9	0	3	4	5	5	5	5	5	5	5	1

Stomach, Glandular + +
Cardiovascular System
Heart + +
Adenocarcinoma, Metastatic, Uncertain Primary Site
Endocrine System
Adrenal Gland + +
Adrenal Gland, Cortex + +
Adrenal Gland, Medulla + +
Islets, Pancreatic + +
Adenoma
Parathyroid Gland M M
Pituitary Gland + +
Thyroid Gland + +
General Body System
NONE
Genital System
Clitoral Gland + +
Ovary + +
Cystadenoma
Uterus + +

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: 147-47-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:17:00

First Dose M/F: NA / NA

Lab: TSI MASON

	DAY ON TEST	ANIMAL ID																																						
B6C3F1 Mouse Female 0 MG/KG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7			
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	3	4	8	9	1	2	2	4	6	7	8	0	1	2	3	5	7	8	9	3	4	4	5	7	9	0	3	4	5	2	1									

Hematopoietic System

Bone Marrow	+ +
Lymph Node	
Mediastinal, Adenocarcinoma, Metastatic,	
Mammary Gland	
Lymph Node, Mandibular	+ +
Lymph Node, Mesenteric	+ +
Spleen	+ +
Hemangiosarcoma	
Thymus	+ +

Integumentary System

Mammary Gland	+ +
Adenocarcinoma	
Skin	+ +
Subcut Tiss, Hemangiosarcoma	

Musculoskeletal System

Bone	+ +
Skeletal Muscle	
Adenocarcinoma, Metastatic, Mammary	
Gland	

Nervous System

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

Experiment Number: 05069-09

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/21/2014

Test Type: CHRONIC

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

Time Report Requested: 01:17:00

Route: DERMAL,SOLUTION

CAS Number: 147-47-7

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: TSI MASON

DAY ON TEST	ANIMAL ID																													
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
B6C3F1 Mouse Female	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
0 MG/KG	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
	1	1	1	1	2	2	2	2	2	2	2	3	3	3	3	3	3	3	4	4	4	4	4	5	5	5	5	5	5	
	3	4	8	9	1	2	4	6	7	8	0	1	2	3	5	7	8	9	3	4	5	7	9	0	3	4	5	2	1	
Brain																													+	+
Respiratory System																														
Lung																													+	+
Adenocarcinoma, Metastatic, Mammary Gland																														
Nose																													+	+
Trachea																													+	+
Special Senses System																														
NONE																														
Urinary System																														
Kidney																													+	+
Adenocarcinoma, Metastatic, Mammary Gland																														
Urinary Bladder																													+	+
SYSTEMIC LESIONS																														
Multiple Organ																													+	+

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:17:00
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

B6C3F1 Mouse Female
0 MG/KG

ANIMAL ID

*TOTALS

Alimentary System

Esophagus	18
Gallbladder	16
Intestine Large, Cecum	18
Intestine Large, Colon	17
Intestine Large, Rectum	19
Intestine Small, Duodenum	17
Intestine Small, Ileum	16
Intestine Small, Jejunum	17
Liver	19
Adenocarcinoma, Metastatic, Mammary Gland	1
Hepatocellular Adenoma	1
Hepatocellular Adenoma, Multiple	2
Hepatocellular Carcinoma	1
Mesentery	3
Pancreas	18
Adenocarcinoma, Metastatic, Mammary Gland	1
Salivary Glands	19
Adenocarcinoma, Metastatic, Mammary Gland	1
Stomach, Forestomach	19
Stomach, Glandular	18

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:17:00
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

B6C3F1 Mouse Female
0 MG/KG

ANIMAL ID

*TOTALS

Cardiovascular System

Heart	19
Adenocarcinoma, Metastatic, Uncertain Primary Site	1

Endocrine System

Adrenal Gland	19
Adrenal Gland, Cortex	19
Adrenal Gland, Medulla	19
Islets, Pancreatic	18
Adenoma	1
Parathyroid Gland	13
Pituitary Gland	17
Thyroid Gland	19

General Body System

NONE

Genital System

Clitoral Gland	18
Ovary	18
Cystadenoma	1
Uterus	19

Hematopoietic System

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:17:00
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

B6C3F1 Mouse Female
0 MG/KG

ANIMAL ID	*TOTALS
Bone Marrow	19
Lymph Node	1
Mediastinal, Adenocarcinoma, Metastatic, Mammary Gland	1
Lymph Node, Mandibular	19
Lymph Node, Mesenteric	18
Spleen	19
Hemangiosarcoma	1
Thymus	19
Integumentary System	
Mammary Gland	19
Adenocarcinoma	1
Skin	19
Subcut Tiss, Hemangiosarcoma	1
Musculoskeletal System	
Bone	19
Skeletal Muscle	1
Adenocarcinoma, Metastatic, Mammary Gland	1
Nervous System	
Brain	19
Respiratory System	

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Date Report Requested: 10/21/2014
Time Report Requested: 01:17:00
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

B6C3F1 Mouse Female
0 MG/KG

ANIMAL ID	*TOTALS
Lung	19
Adenocarcinoma, Metastatic, Mammary Gland	1
Nose	19
Trachea	19
Special Senses System	
NONE	
Urinary System	
Kidney	19
Adenocarcinoma, Metastatic, Mammary Gland	1
Urinary Bladder	18
SYSTEMIC LESIONS	
Multiple Organ	19

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:17:00
First Dose M/F: NA / NA
Lab: TSI MASON

B6C3F1 Mouse Female 6.0 MG/K	DAY ON TEST																												
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	4	4	5	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7
	6	6	6	6	6	6	6	6	6	6	6	8	0	1	2	4	5	5	6	7	2	3	3	3	3	3	3	3	3
	2	2	2	2	2	2	2	2	2	2	2	7	3	2	3	3	0	4	1	7	8	5	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	3	3	3	3	2	2	2	3	2	2	2	2	3	2	2	2	2	2	2	2	2	2
	7	7	8	8	8	9	9	0	0	0	0	9	7	9	1	8	6	7	8	1	7	7	8	8	8	8	9	9	9
	8	9	4	5	9	1	8	1	4	8	0	7	7	3	1	0	7	3	8	2	5	6	1	2	3	6	7	0	2

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Sarcoma Stromal, Metastatic, Uterus																														X
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hepatocellular Adenoma																													X	
Hepatocellular Carcinoma																													X	
Sarcoma Stromal, Metastatic, Uterus																													X	
Mesentery																													+	
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Sarcoma Stromal, Metastatic, Uterus																													X	
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

Cardiovascular System

Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
-------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
 CAS Number: 147-47-7

Date Report Requested: 10/21/2014
 Time Report Requested: 01:17:01
 First Dose M/F: NA / NA
 Lab: TSI MASON

		DAY ON TEST																															
B6C3F1 Mouse Female 6.0 MG/K		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		4	4	4	4	4	4	4	4	4	5	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7
		6	6	6	6	6	6	6	6	6	8	0	1	2	4	5	5	6	7	2	3	3	3	3	3	3	3	3	3	3	3	3	3
		2	2	2	2	2	2	2	2	2	2	7	3	2	3	3	0	4	1	7	8	5	5	5	5	5	5	5	5	5	5	5	5
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		2	2	2	2	2	2	2	3	3	3	3	2	2	2	3	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2
		7	7	8	8	8	9	9	0	0	0	9	7	9	1	8	6	7	8	1	7	7	8	8	8	8	8	8	9	9	9	9	9
		8	9	4	5	9	1	8	1	4	8	0	7	7	3	1	0	7	3	8	2	5	6	1	2	3	6	7	0	2	4	5	5

Sarcoma Stromal, Metastatic, Uterus

X

Endocrine System

Adrenal Gland

+ + + + + + + + + + + +

Capsule, Sarcoma Stromal, Metastatic, Uterus

X

Adrenal Gland, Cortex

+ + + + + + + + + + + +

Adrenal Gland, Medulla

+ + + + + + + + + + + +

Islets, Pancreatic

+ + + + + + + + + + + +

Parathyroid Gland

+ + M + + + + M + + + + +

Pituitary Gland

M + + + + + + + + + + + +

Pars Distalis, Adenoma

X X

Thyroid Gland

+ + + + + + + + + + + +

General Body System

NONE

Genital System

Clitoral Gland

+ + + + + + + + + + + +

Ovary

+ + + + + + + + + + + +

Cystadenoma

X

Sarcoma Stromal, Metastatic, Uterus

X

Uterus

+ + + + + + + + + + + +

Sarcoma Stromal

X X

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

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Experiment Number: 05069-09

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Species/Strain: Mouse/B6C3F1

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CAS Number: 147-47-7

Date Report Requested: 10/21/2014

Time Report Requested: 01:17:01

First Dose M/F: NA / NA

Lab: TSI MASON

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 Mouse Female | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 6.0 MG/K | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 8 | 0 | 1 | 2 | 4 | 5 | 5 | 6 | 7 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| ANIMAL ID | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 7 | 3 | 2 | 3 | 3 | 0 | 4 | 1 | 7 | 8 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 0 | 0 | 0 | 0 | 9 | 7 | 9 | 1 | 8 | 6 | 7 | 8 | 1 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| | 8 | 9 | 4 | 5 | 9 | 1 | 8 | 1 | 4 | 8 | 0 | 7 | 7 | 3 | 1 | 0 | 7 | 3 | 8 | 2 | 5 | 6 | 1 | 2 | 3 | 6 | 7 | 0 | 2 | 5 |

Hematopoietic System

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Sarcoma Stromal, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | + | |
| Iliac, Sarcoma Stromal, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Mediastinal, Sarcoma Stromal, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Renal, Sarcoma Stromal, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Sarcoma Stromal, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Sarcoma Stromal, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Sarcoma Stromal, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | |

Integumentary System

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

Musculoskeletal System

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

Nervous System

- * ..Total animals with tissue examined microscopically; Total animals with tumor
- + ..Tissue examined microscopically
- X ..Lesion present
- I ..Insufficient tissue

- M ..Missing tissue
- A ..Autolysis precludes evaluation
- BLANK ..Not examined microscopically

Experiment Number: 05069-09

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/21/2014

Test Type: CHRONIC

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

Time Report Requested: 01:17:01

Route: DERMAL,SOLUTION

CAS Number: 147-47-7

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: TSI MASON

| B6C3F1 Mouse Female
6.0 MG/K | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| ANIMAL ID | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 7 | 3 | 2 | 3 | 3 | 0 | 4 | 1 | 7 | 8 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | 7 | 7 | 8 | 8 | 8 | 9 | 9 | 0 | 0 | 0 | 9 | 7 | 9 | 1 | 8 | 6 | 7 | 8 | 1 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | |
| | 8 | 9 | 4 | 5 | 9 | 1 | 8 | 1 | 4 | 8 | 0 | 7 | 7 | 3 | 1 | 0 | 7 | 3 | 8 | 2 | 5 | 6 | 1 | 2 | 3 | 6 | 7 | 0 | |
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Respiratory System | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Alveolar/Bronchiolar Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocellular Carcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sarcoma Stromal, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Special Senses System | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary System | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Sarcoma Stromal, Metastatic, Uterus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| SYSTEMIC LESIONS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

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 CAS Number: 147-47-7

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 Time Report Requested: 01:17:01
 First Dose M/F: NA / NA
 Lab: TSI MASON

| DAY ON TEST | B6C3F1 Mouse Female
6.0 MG/K | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | |
| | 6 | 9 | 2 | 3 | 5 | 6 | 7 | 9 | 0 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 8 | 9 | 0 | 1 | |

Alimentary System

- Esophagus
- Gallbladder
- Intestine Large, Cecum
 - Sarcoma Stromal, Metastatic, Uterus
- Intestine Large, Colon
- Intestine Large, Rectum
- Intestine Small, Duodenum
- Intestine Small, Ileum
- Intestine Small, Jejunum
- Liver
 - Hepatocellular Adenoma
 - Hepatocellular Carcinoma
 - Sarcoma Stromal, Metastatic, Uterus
- Mesentery
- Pancreas
 - Sarcoma Stromal, Metastatic, Uterus
- Salivary Glands
- Stomach, Forestomach
- Stomach, Glandular

Cardiovascular System

- Heart

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
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6.0 MG/K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | |
| | 6 | 9 | 2 | 3 | 5 | 6 | 7 | 9 | 0 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 8 | 9 | 0 | 1 | 2 | 4 | | | |

Sarcoma Stromal, Metastatic, Uterus
Endocrine System
 Adrenal Gland
 Capsule, Sarcoma Stromal, Metastatic, Uterus
 Adrenal Gland, Cortex
 Adrenal Gland, Medulla
 Islets, Pancreatic
 Parathyroid Gland
 Pituitary Gland
 Pars Distalis, Adenoma
 Thyroid Gland

General Body System

NONE

Genital System

Clitoral Gland
 Ovary
 Cystadenoma
 Sarcoma Stromal, Metastatic, Uterus
 Uterus
 Sarcoma Stromal

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 05069-09

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/21/2014

Test Type: CHRONIC

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

Time Report Requested: 01:17:02

Route: DERMAL,SOLUTION

CAS Number: 147-47-7

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: TSI MASON

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| B6C3F1 Mouse Female | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | | | |
| 6.0 MG/K | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | | |
| ANIMAL ID | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | 6 | 9 | 2 | 3 | 5 | 6 | 7 | 9 | 0 | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 8 | 9 | 0 | 1 | 2 | 4 | 1 | 2 | 4 | 1 | 2 | 4 | 1 | 2 | 4 |

Hematopoietic System

- Bone Marrow
 - Sarcoma Stromal, Metastatic, Uterus
- Lymph Node
 - Iliac, Sarcoma Stromal, Metastatic, Uterus
 - Mediastinal, Sarcoma Stromal, Metastatic, Uterus
 - Renal, Sarcoma Stromal, Metastatic, Uterus
- Lymph Node, Mandibular
 - Sarcoma Stromal, Metastatic, Uterus
- Lymph Node, Mesenteric
 - Sarcoma Stromal, Metastatic, Uterus
- Spleen
 - Sarcoma Stromal, Metastatic, Uterus
- Thymus

Integumentary System

- Mammary Gland
- Skin

Musculoskeletal System

- Bone

Nervous System

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:17:02
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

B6C3F1 Mouse Female
6.0 MG/K

ANIMAL ID

***TOTALS**

Alimentary System

| | |
|-------------------------------------|----|
| Esophagus | 13 |
| Gallbladder | 13 |
| Intestine Large, Cecum | 13 |
| Sarcoma Stromal, Metastatic, Uterus | 1 |
| Intestine Large, Colon | 13 |
| Intestine Large, Rectum | 12 |
| Intestine Small, Duodenum | 13 |
| Intestine Small, Ileum | 12 |
| Intestine Small, Jejunum | 13 |
| Liver | 13 |
| Hepatocellular Adenoma | 1 |
| Hepatocellular Carcinoma | 1 |
| Sarcoma Stromal, Metastatic, Uterus | 1 |
| Mesentery | 1 |
| Pancreas | 13 |
| Sarcoma Stromal, Metastatic, Uterus | 1 |
| Salivary Glands | 13 |
| Stomach, Forestomach | 13 |
| Stomach, Glandular | 13 |

Cardiovascular System

| | |
|-------------------------------------|----|
| Heart | 13 |
| Sarcoma Stromal, Metastatic, Uterus | 1 |

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

Experiment Number: 05069-09
Test Type: CHRONIC
Route: DERMAL,SOLUTION
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CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:17:02
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

B6C3F1 Mouse Female
6.0 MG/K

ANIMAL ID

*TOTALS

Endocrine System

| | |
|---|----|
| Adrenal Gland | 13 |
| Capsule, Sarcoma Stromal, Metastatic,
Uterus | 1 |
| Adrenal Gland, Cortex | 13 |
| Adrenal Gland, Medulla | 13 |
| Islets, Pancreatic | 13 |
| Parathyroid Gland | 11 |
| Pituitary Gland | 12 |
| Pars Distalis, Adenoma | 2 |
| Thyroid Gland | 13 |

General Body System

NONE

Genital System

| | |
|-------------------------------------|----|
| Clitoral Gland | 13 |
| Ovary | 13 |
| Cystadenoma | 1 |
| Sarcoma Stromal, Metastatic, Uterus | 1 |
| Uterus | 13 |
| Sarcoma Stromal | 2 |

Hematopoietic System

| | |
|-------------|----|
| Bone Marrow | 13 |
|-------------|----|

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Date Report Requested: 10/21/2014
Time Report Requested: 01:17:02
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

B6C3F1 Mouse Female
6.0 MG/K

| ANIMAL ID | *TOTALS |
|--|---------|
| Sarcoma Stromal, Metastatic, Uterus | 1 |
| Lymph Node | 1 |
| Iliac, Sarcoma Stromal, Metastatic, Uterus | 1 |
| Mediastinal, Sarcoma Stromal, Metastatic, Uterus | 1 |
| Renal, Sarcoma Stromal, Metastatic, Uterus | 1 |
| Lymph Node, Mandibular | 13 |
| Sarcoma Stromal, Metastatic, Uterus | 1 |
| Lymph Node, Mesenteric | 13 |
| Sarcoma Stromal, Metastatic, Uterus | 1 |
| Spleen | 13 |
| Sarcoma Stromal, Metastatic, Uterus | 1 |
| Thymus | 12 |
| Integumentary System | |
| Mammary Gland | 13 |
| Skin | 13 |
| Musculoskeletal System | |
| Bone | 13 |
| Nervous System | |
| Brain | 13 |
| Respiratory System | |
| Lung | 13 |

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Date Report Requested: 10/21/2014
Time Report Requested: 01:17:02
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

B6C3F1 Mouse Female
6.0 MG/K

ANIMAL ID

***TOTALS**

| | |
|---|----|
| Alveolar/Bronchiolar Adenoma | 1 |
| Hepatocellular Carcinoma, Metastatic, Liver | 1 |
| Sarcoma Stromal, Metastatic, Uterus | 1 |
| Nose | 13 |
| Trachea | 13 |
| Special Senses System | |
| NONE | |
| Urinary System | |
| Kidney | 13 |
| Sarcoma Stromal, Metastatic, Uterus | 1 |
| Urinary Bladder | 13 |
| SYSTEMIC LESIONS | |
| Multiple Organ | 13 |

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

Experiment Number: 05069-09
 Test Type: CHRONIC
 Route: DERMAL,SOLUTION
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P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
 CAS Number: 147-47-7

Date Report Requested: 10/21/2014
 Time Report Requested: 01:17:02
 First Dose M/F: NA / NA
 Lab: TSI MASON

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 Mouse Female | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 10.0 MG/KG | 9 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 9 | 7 | 0 | 1 | 2 | 2 | 5 | 7 | 8 | 0 | 2 | 2 | 2 | 3 | 3 |
| ANIMAL ID | 3 | 5 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 6 | 8 | 1 | 3 | 6 | 4 | 2 | 8 | 1 | 1 | 2 | 7 | 0 | 5 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 3 | 7 | 1 | 2 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 7 | 3 | 2 | 3 | 7 | 2 | 3 | 7 | 6 | 4 | 4 | 4 | 5 | 6 | 3 | 2 | 1 | 1 |
| 3 | 0 | 6 | 1 | 2 | 3 | 6 | 8 | 1 | 5 | 8 | 1 | 9 | 7 | 4 | 3 | 6 | 6 | 2 | 4 | 4 | 5 | 7 | 3 | 7 | 8 | 2 | 7 | 8 |

Alimentary System

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | A | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemangiosarcoma | | | | | | | | | | | | | X | | | | | | | | | | | | | | | |
| Hepatocellular Adenoma | | | X | | | | X | | X | | X | | | | | | | | | | | | | | | | | |
| Hepatocellular Adenoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | | | | | + |
| Pancreas | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Tooth | | | | | | | | | | | + | | | | | | | | | | | | | | | | | + |

Cardiovascular System

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
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 BLANK ..Not examined microscopically

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:17:02
First Dose M/F: NA / NA
Lab: TSI MASON

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 Mouse Female
10.0 MG/KG | | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | | 9 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 9 | 7 | 0 | 1 | 2 | 2 | 5 | 7 | 8 | 0 | 2 | 2 | 2 | 3 | 3 |
| ANIMAL ID | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | | 3 | 7 | 1 | 2 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 7 | 3 | 2 | 3 | 7 | 2 | 3 | 7 | 6 | 4 | 4 | 4 | 5 | 6 | 3 | 2 | 1 | 1 |
| | | 3 | 0 | 6 | 1 | 2 | 3 | 6 | 8 | 1 | 5 | 8 | 1 | 9 | 7 | 4 | 3 | 6 | 2 | 4 | 4 | 5 | 7 | 3 | 7 | 8 | 2 | 7 | 8 | 9 |

Endocrine System

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Adrenal Gland, Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Adrenal Gland, Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Islets, Pancreatic | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Parathyroid Gland | M | + | + | M | + | M | + | + | + | + | + | M | + | + | + | M | + | M | | | | | | | | | | | | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Pars Distalis, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |

General Body System

NONE

Genital System

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cystadenoma | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Luteoma | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Polyp Stromal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X |

Hematopoietic System

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
 CAS Number: 147-47-7

Date Report Requested: 10/21/2014
 Time Report Requested: 01:17:03
 First Dose M/F: NA / NA
 Lab: TSI MASON

| DAY ON TEST | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| B6C3F1 Mouse Female | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 10.0 MG/KG | 9 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 9 | 7 | 0 | 1 | 2 | 2 | 5 | 7 | 8 | 0 | 2 | 2 | 2 | 3 | 3 | 3 |
| | 3 | 5 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 7 | 2 | 6 | 8 | 1 | 3 | 6 | 4 | 2 | 8 | 1 | 1 | 2 | 7 | 0 | 5 | 5 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 3 | 7 | 1 | 2 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 7 | 3 | 2 | 3 | 7 | 2 | 3 | 7 | 6 | 4 | 4 | 4 | 4 | 5 | 6 | 3 | 2 | 1 |
| | 3 | 0 | 6 | 1 | 2 | 3 | 6 | 8 | 1 | 5 | 8 | 1 | 9 | 7 | 4 | 3 | 6 | 6 | 2 | 4 | 4 | 5 | 7 | 3 | 7 | 8 | 2 | 7 | 8 |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymph Node, Mesenteric | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Spleen | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Thymus | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Integumentary System | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Inguinal, Subcut Tiss, Fibrosarcoma | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | |
| Musculoskeletal System | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Nervous System | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Respiratory System | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Special Senses System | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Date Report Requested: 10/21/2014
Time Report Requested: 01:17:03
First Dose M/F: NA / NA
Lab: TSI MASON

| DAY ON TEST | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|----------------------------|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 Mouse Female | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | 9 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 9 | 7 | 0 | 1 | 2 | 2 | 5 | 7 | 8 | 0 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | | | |
| | 3 | 5 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 7 | 2 | 6 | 8 | 1 | 3 | 6 | 4 | 2 | 8 | 1 | 1 | 2 | 7 | 0 | 5 | 5 | 5 | 5 | | | |
| 10.0 MG/KG | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | |
| | 3 | 7 | 1 | 2 | 3 | 4 | 4 | 4 | 5 | 5 | 5 | 7 | 3 | 2 | 3 | 7 | 2 | 3 | 7 | 6 | 4 | 4 | 4 | 5 | 6 | 3 | 2 | 1 | 1 | 1 | 2 | 0 | | |

Urinary System

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

SYSTEMIC LESIONS

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Lymphoma Malignant Mixed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | |

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Date Report Requested: 10/21/2014
 Time Report Requested: 01:17:03
 First Dose M/F: NA / NA
 Lab: TSI MASON

| DAY ON TEST | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| ANIMAL ID | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 0 |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 9 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 |
| | | 3 | 4 | 5 | 8 | 9 | 0 | 1 | 5 | 7 | 0 | 1 | 2 | 9 | 0 | 2 | 4 | 6 | 7 | 9 | 0 | 2 | 3 | 5 | 6 | 8 | 9 | 4 | 5 |

Alimentary System

- Esophagus
- Gallbladder
- Intestine Large, Cecum
- Intestine Large, Colon
- Intestine Large, Rectum
- Intestine Small, Duodenum
- Intestine Small, Ileum
- Intestine Small, Jejunum
- Liver
- Hemangiosarcoma
- Hepatocellular Adenoma
- Hepatocellular Adenoma, Multiple
- Mesentery
- Pancreas
- Salivary Glands
- Stomach, Forestomach
- Stomach, Glandular
- Tooth

Cardiovascular System

- Heart

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 05069-09

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/21/2014

Test Type: CHRONIC

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

Time Report Requested: 01:17:03

Route: DERMAL,SOLUTION

CAS Number: 147-47-7

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: TSI MASON

| DAY ON TEST | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 0 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 9 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 |
| | 3 | 4 | 5 | 8 | 9 | 0 | 1 | 5 | 7 | 0 | 1 | 2 | 9 | 0 | 2 | 4 | 6 | 7 | 9 | 0 | 1 | 2 | 3 | 5 | 6 | 8 | 9 | 5 |

Endocrine System

- Adrenal Gland
- Adrenal Gland, Cortex
- Adrenal Gland, Medulla
- Islets, Pancreatic
- Parathyroid Gland
- Pituitary Gland
- Pars Distalis, Adenoma
- Thyroid Gland

General Body System

NONE

Genital System

- Clitoral Gland
- Ovary
- Cystadenoma
- Luteoma
- Uterus
- Polyp Stromal

Hematopoietic System

- Bone Marrow
- Lymph Node, Mandibular

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 05069-09

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/21/2014

Test Type: CHRONIC

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

Time Report Requested: 01:17:03

Route: DERMAL,SOLUTION

CAS Number: 147-47-7

First Dose M/F: NA / NA

Species/Strain: Mouse/B6C3F1

Lab: TSI MASON

| DAY ON TEST | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| B6C3F1 Mouse Female | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 0 |
| 10.0 MG/KG | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 0 |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 9 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 |
| | 3 | 4 | 5 | 8 | 9 | 0 | 1 | 5 | 7 | 0 | 1 | 2 | 9 | 0 | 2 | 4 | 6 | 7 | 9 | 0 | 2 | 3 | 5 | 6 | 8 | 9 | 4 | 5 | |

- Lymph Node, Mandibular
- Lymph Node, Mesenteric
- Spleen
- Thymus
- Integumentary System**
- Mammary Gland
- Skin
- Inguinal, Subcut Tiss, Fibrosarcoma
- Squamous Cell Carcinoma

Musculoskeletal System

- Bone
- Nervous System**

- Brain
- Respiratory System**

- Lung
- Nose
- Trachea

Special Senses System

NONE

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Date Report Requested: 10/21/2014
 Time Report Requested: 01:17:03
 First Dose M/F: NA / NA
 Lab: TSI MASON

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|-------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 Mouse Female | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 0 |
| | 10.0 MG/KG | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 9 | |
| | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | |
| | | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | | |
| | | 3 | 4 | 5 | 8 | 9 | 0 | 1 | 5 | 7 | 0 | 1 | 2 | 9 | 0 | 2 | 4 | 6 | 7 | 9 | 0 | 1 | 2 | 3 | 5 | 6 | 8 | 9 | 4 | 5 | | | | | | | | |

Urinary System

Kidney
 Urinary Bladder

SYSTEMIC LESIONS

Multiple Organ
 Lymphoma Malignant Mixed

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:17:04
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

B6C3F1 Mouse Female
10.0 MG/KG

ANIMAL ID

*TOTALS

Alimentary System

| | |
|----------------------------------|----|
| Esophagus | 17 |
| Gallbladder | 16 |
| Intestine Large, Cecum | 16 |
| Intestine Large, Colon | 16 |
| Intestine Large, Rectum | 17 |
| Intestine Small, Duodenum | 15 |
| Intestine Small, Ileum | 16 |
| Intestine Small, Jejunum | 16 |
| Liver | 17 |
| Hemangiosarcoma | 1 |
| Hepatocellular Adenoma | 4 |
| Hepatocellular Adenoma, Multiple | 1 |
| Mesentery | 1 |
| Pancreas | 16 |
| Salivary Glands | 17 |
| Stomach, Forestomach | 17 |
| Stomach, Glandular | 17 |
| Tooth | 2 |

Cardiovascular System

| | |
|-------|----|
| Heart | 17 |
|-------|----|

Endocrine System

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: 1,2-Dihydro-2,2,4-trimethylquinoline (monomer)
CAS Number: 147-47-7

Date Report Requested: 10/21/2014
Time Report Requested: 01:17:04
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

B6C3F1 Mouse Female

10.0 MG/KG

ANIMAL ID

***TOTALS**

| | |
|-----------------------------|----|
| Adrenal Gland | 17 |
| Adrenal Gland, Cortex | 17 |
| Adrenal Gland, Medulla | 17 |
| Islets, Pancreatic | 16 |
| Parathyroid Gland | 11 |
| Pituitary Gland | 17 |
| Pars Distalis, Adenoma | 1 |
| Thyroid Gland | 17 |
| General Body System | |
| NONE | |
| Genital System | |
| Clitoral Gland | 17 |
| Ovary | 16 |
| Cystadenoma | 1 |
| Luteoma | 1 |
| Uterus | 17 |
| Polyp Stromal | 1 |
| Hematopoietic System | |
| Bone Marrow | 17 |
| Lymph Node, Mandibular | 17 |
| Lymph Node, Mesenteric | 16 |
| Spleen | 16 |

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Date Report Requested: 10/21/2014
Time Report Requested: 01:17:04
First Dose M/F: NA / NA
Lab: TSI MASON

DAY ON TEST

B6C3F1 Mouse Female
10.0 MG/KG

| ANIMAL ID | *TOTALS |
|-------------------------------------|---------|
| Thymus | 16 |
| Integumentary System | |
| Mammary Gland | 17 |
| Skin | 17 |
| Inguinal, Subcut Tiss, Fibrosarcoma | 1 |
| Squamous Cell Carcinoma | 1 |
| Musculoskeletal System | |
| Bone | 17 |
| Nervous System | |
| Brain | 17 |
| Respiratory System | |
| Lung | 17 |
| Nose | 17 |
| Trachea | 17 |
| Special Senses System | |
| NONE | |
| Urinary System | |
| Kidney | 17 |
| Urinary Bladder | 17 |
| SYSTEMIC LESIONS | |

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
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Experiment Number: 05069-09
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

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Lab: TSI MASON

DAY ON TEST

B6C3F1 Mouse Female
10.0 MG/KG

| | ANIMAL ID | *TOTALS |
|--------------------------|-----------|---------|
| Multiple Organ | | 17 |
| Lymphoma Malignant Mixed | | 1 |

** END OF REPORT **

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
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