

**Experiment Number:** 05069-10  
**Test Type:** CHRONIC  
**Route:** DERMAL,SOLUTION  
**Species/Strain:** Rat/F 344/N

**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:** 01:29:19

**First Dose M/F:** NA / NA

**Lab:** TSI MASON

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

















Experiment Number: 05069-10  
 Test Type: CHRONIC  
 Route: DERMAL,SOLUTION  
 Species/Strain: Rat/F 344/N

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: 01:29:20

First Dose M/F: NA / NA

Lab: TSI MASON

F 344/N Rat 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	
		6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
		2	2	2	3	4	5	6	6	7	8	8	8	0	0	0	1	1	2	2	2	2	2	2	2	2	2	2	2	2
	ANIMAL ID	7	8	8	1	1	4	0	2	5	2	4	7	2	3	3	0	5	5	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
		5	4	5	6	4	2	3	3	2	5	4	0	3	2	4	3	4	1	0	0	0	0	0	1	1	2	2	5	
		7	1	6	0	4	1	3	0	7	1	3	4	1	8	8	5	7	1	3	5	6	7	8	9	2	3	0	6	5

Leukemia Mononuclear

\* ..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:** 05069-10  
**Test Type:** CHRONIC  
**Route:** DERMAL,SOLUTION  
**Species/Strain:** Rat/F 344/N

**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:** 01:29:20  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

DAY ON TEST

**F 344/N Rat Male**  
**0 MG/KG**

ANIMAL ID

\*TOTALS

**Alimentary System**

Esophagus	10
Intestine Large, Cecum	10
Intestine Large, Colon	10
Intestine Large, Rectum	10
Intestine Small, Duodenum	10
Intestine Small, Ileum	10
Intestine Small, Jejunum	10
Liver	10
Mesentery	3
Pancreas	10
Acinus, Adenoma	1
Salivary Glands	10
Stomach, Forestomach	10
Stomach, Glandular	10

**Cardiovascular System**

Heart	10
-------	----

**Endocrine System**

Adrenal Gland, Cortex	10
Adrenal Gland, Medulla	10
Islets, Pancreatic	10
Parathyroid Gland	9

\* ..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:** 05069-10  
**Test Type:** CHRONIC  
**Route:** DERMAL,SOLUTION  
**Species/Strain:** Rat/F 344/N

**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:** 01:29:20  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

DAY ON TEST

**F 344/N Rat Male**  
**0 MG/KG**

ANIMAL ID

**\*TOTALS**

Pituitary Gland	10
Pars Distalis, Adenoma	4
Thyroid Gland	10
<b>General Body System</b>	
NONE	
<b>Genital System</b>	
Epididymis	10
Preputial Gland	10
Prostate	10
Seminal Vesicle	10
Testes	10
Bilateral, Interstit Cell, Adenoma	2
Interstit Cell, Adenoma	2
<b>Hematopoietic System</b>	
Bone Marrow	10
Lymph Node, Mandibular	9
Lymph Node, Mesenteric	10
Spleen	10
Thymus	8
<b>Integumentary System</b>	
Mammary Gland	8
Skin	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:** 05069-10  
**Test Type:** CHRONIC  
**Route:** DERMAL,SOLUTION  
**Species/Strain:** Rat/F 344/N

**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:** 01:29:20  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

DAY ON TEST

**F 344/N Rat Male**  
**0 MG/KG**

ANIMAL ID

\*TOTALS

**Musculoskeletal System**

Bone 10

**Nervous System**

Brain 10

**Respiratory System**

Lung 10

Nose 10

Trachea 10

**Special Senses System**

Ear 1

Fibrosarcoma 1

**Urinary System**

Kidney 10

Urinary Bladder 10

**SYSTEMIC LESIONS**

Multiple Organ 10

Leukemia Mononuclear 2

\* ..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: 05069-10  
 Test Type: CHRONIC  
 Route: DERMAL,SOLUTION  
 Species/Strain: Rat/F 344/N

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: 01:29:20  
 First Dose M/F: NA / NA  
 Lab: TSI MASON

F 344/N Rat Male  
 60 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	0	0	0
	3	4	4	4	4	4	4	4	4	4	4	4	4	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	
	5	1	2	5	5	5	5	5	5	5	5	5	7	0	1	2	3	4	5	6	6	6	7	7	8	9	9	9	9	9	9	9	9	9	9	0	0	1	
	1	5	1	8	8	8	8	8	8	8	8	8	8	0	5	4	6	5	8	2	4	0	9	3	1	7	7	7	7	7	7	7	7	0	6	6	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	1	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	0	0	1	0	0	1	0	1	1	0	1	0	0	0	1	1	0	0	0	0	
	8	0	7	6	6	7	7	8	9	9	0	1	1	8	7	0	1	1	7	6	1	9	8	7	0	6	0	1	7	6	9	9	9	9	9	9	9		
	1	8	1	3	9	3	9	3	6	9	3	0	1	8	8	5	9	4	2	5	5	7	0	7	0	6	4	8	5	8	5	8	5	8	3	8	3		

Alimentary System

Esophagus				+	+	+	+	+	+	+	+	+	+																										
Intestine Large, Cecum				+	+	+	+	+	+	+	+	+	+																										
Intestine Large, Colon				+	+	+	+	+	+	+	+	+	+																										
Intestine Large, Rectum				+	+	+	+	+	+	+	+	+	+																										
Intestine Small, Duodenum				+	+	+	+	+	+	+	+	+	+																										
Intestine Small, Ileum				+	+	+	+	+	+	+	+	+	+																										
Intestine Small, Jejunum				+	+	+	+	+	+	+	+	+	+																										
Liver				+	+	+	+	+	+	+	+	+	+																										
Pancreas				+	+	+	+	+	+	+	+	+	+																										
Salivary Glands				+	+	+	+	+	+	+	+	+	+																										
Stomach, Forestomach				+	+	+	+	+	+	+	+	+	+																										
Stomach, Glandular				+	+	+	+	+	+	+	+	+	+																										

Cardiovascular System

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

Endocrine System

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

\* ..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:** 05069-10  
**Test Type:** CHRONIC  
**Route:** DERMAL,SOLUTION  
**Species/Strain:** Rat/F 344/N

**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:** 01:29:21  
**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	0
F 344/N Rat Male	3	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6
60 MG/KG	5	1	2	5	5	5	5	5	5	5	5	5	7	0	1	2	3	4	5	6	7	7	8	9	9	9	9	0	0	1
	1	5	1	8	8	8	8	8	8	8	8	8	0	5	4	6	5	8	2	4	0	9	3	1	7	7	7	0	6	3
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	0	0	1	0	0	1	0	1	1	0	0
	8	0	7	6	6	7	7	8	9	9	0	1	1	8	7	0	1	1	7	6	1	9	8	7	0	6	0	1	7	9
	1	8	1	3	9	3			6	9	3	0	1	8	8	5	9	4	2	5	5	7	0	7	0	6	4	8	5	8

Pars Distalis, Adenoma X  
 Pars Distalis, Adenoma, Multiple X  
 Thyroid Gland + + + + + + + + + +  
 C Cell, Adenoma X

**General Body System**  
 NONE

**Genital System**  
 Epididymis + + + + + + + + + +  
 Preputial Gland + + + + + + + + + +  
 Prostate + + + + + + + + + +  
 Seminal Vesicle + + + + + + + + + +  
 Testes + + + + + + + + + +  
 Bilateral, Interstit Cell, Adenoma X X X X X  
 Interstit Cell, Adenoma X X X

**Hematopoietic System**  
 Bone Marrow + + + + + + + + + +  
 Lymph Node, Mandibular + + + + + + + + + +  
 Lymph Node, Mesenteric + + + + + + + + + +  
 Spleen + + + + + + + + + +  
 Thymus + + + + + + + + + +

**Integumentary 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: 05069-10  
 Test Type: CHRONIC  
 Route: DERMAL,SOLUTION  
 Species/Strain: Rat/F 344/N

**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: 01:29:21  
 First Dose M/F: NA / NA  
 Lab: TSI MASON

**F 344/N Rat Male  
 60 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
	3	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6
	5	1	2	5	5	5	5	5	5	5	5	5	5	7	0	1	2	3	4	5	6	7	7	8	9	9	9	9	0	0	1
	1	5	1	8	8	8	8	8	8	8	8	8	8	0	5	4	6	5	8	2	4	0	9	3	1	7	7	7	0	6	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	0	0	0	0	0
	0	1	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	0	0	1	0	0	1	0	1	1	0	0	0	0
	8	0	7	6	6	7	7	8	9	9	0	1	1	8	7	0	1	1	7	6	1	9	8	7	0	6	0	1	7	6	9
	1	8	1	3	9	3	9	3	6	9	3	0	1	8	8	5	9	4	2	5	5	7	0	7	0	6	4	8	5	8	3

**Integumentary System**

Mammary Gland + + M + + + + + + + +  
 Skin + + + + + + + + + + + +

**Musculoskeletal System**

Bone + + + + + + + + + + + +

**Nervous System**

Brain + + + + + + + + + + + +

**Respiratory System**

Lung + + + + + + + + + + + +  
 Nose + + + + + + + + + + + +  
 Trachea + + + + + + + + + + + +

**Special Senses System**

NONE

**Urinary System**

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

**SYSTEMIC LESIONS**

Multiple Organ + + + + + + + + + + + +  
 Leukemia Mononuclear X 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: 05069-10  
 Test Type: CHRONIC  
 Route: DERMAL,SOLUTION  
 Species/Strain: Rat/F 344/N

**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: 01:29:21  
 First Dose M/F: NA / NA  
 Lab: TSI MASON

**F 344/N Rat Male  
 60 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
	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7
	1	1	1	1	2	2	2	3	3	4	5	6	6	6	8	9	9	9	9	0	0	0	0	1	2	2	2
	7	7	9	9	0	7	7	5	5	8	9	4	8	8	7	3	5	6	6	1	1	1	1	8	6	3	8
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	1	0	1	0	0	0	0	0	0	1	1	1	1	0	1	0	0	1	1	0	0	0	0
	6	6	7	8	0	8	2	8	9	7	9	6	7	0	1	1	0	8	0	6	8	1	1	9	9	9	8
	2	4	4	4	1	7	0	6	0	0	8	1	6	9	6	7	7	5	2	7	9	2	3	2	1	5	2

**Alimentary System**

- Esophagus
- Intestine Large, Cecum
- Intestine Large, Colon
- Intestine Large, Rectum
- Intestine Small, Duodenum
- Intestine Small, Ileum
- Intestine Small, Jejunum
- Liver
- Pancreas
- Salivary Glands
- Stomach, Forestomach
- Stomach, Glandular

**Cardiovascular System**

- Heart

**Endocrine System**

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

\* ..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:** 05069-10  
**Test Type:** CHRONIC  
**Route:** DERMAL,SOLUTION  
**Species/Strain:** Rat/F 344/N

**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:** 01:29:21  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

DAY ON TEST

**F 344/N Rat Male**  
**60 MG/KG**

ANIMAL ID

\*TOTALS

**Alimentary System**

Esophagus	10
Intestine Large, Cecum	10
Intestine Large, Colon	10
Intestine Large, Rectum	10
Intestine Small, Duodenum	10
Intestine Small, Ileum	10
Intestine Small, Jejunum	10
Liver	10
Pancreas	10
Salivary Glands	10
Stomach, Forestomach	10
Stomach, Glandular	10

**Cardiovascular System**

Heart	10
-------	----

**Endocrine System**

Adrenal Gland, Cortex	10
Adrenal Gland, Medulla	10
Islets, Pancreatic	10
Parathyroid Gland	8
Pituitary Gland	10
Pars Distalis, Adenoma	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: 05069-10

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

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: 01:29:22

First Dose M/F: NA / NA

Lab: TSI MASON

DAY ON TEST

F 344/N Rat Male  
60 MG/KG

ANIMAL ID

\*TOTALS

Pars Distalis, Adenoma, Multiple	1
Thyroid Gland	10
C Cell, Adenoma	1
<b>General Body System</b>	
NONE	
<b>Genital System</b>	
Epididymis	10
Preputial Gland	10
Prostate	10
Seminal Vesicle	10
Testes	10
Bilateral, Interstit Cell, Adenoma	4
Interstit Cell, Adenoma	3
<b>Hematopoietic System</b>	
Bone Marrow	10
Lymph Node, Mandibular	10
Lymph Node, Mesenteric	10
Spleen	10
Thymus	10
<b>Integumentary System</b>	
Mammary Gland	9
Skin	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: 05069-10  
Test Type: CHRONIC  
Route: DERMAL,SOLUTION  
Species/Strain: Rat/F 344/N

**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: 01:29:22  
First Dose M/F: NA / NA  
Lab: TSI MASON

DAY ON TEST

**F 344/N Rat Male**  
**60 MG/KG**

ANIMAL ID

\*TOTALS

**Musculoskeletal System**

Bone 10

**Nervous System**

Brain 10

**Respiratory System**

Lung 10

Nose 10

Trachea 10

**Special Senses System**

NONE

**Urinary System**

Kidney 10

Urinary Bladder 10

**SYSTEMIC LESIONS**

Multiple Organ 10

Leukemia Mononuclear 2

\* ..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: 05069-10  
 Test Type: CHRONIC  
 Route: DERMAL,SOLUTION  
 Species/Strain: Rat/F 344/N

**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: 01:29:22  
 First Dose M/F: NA / NA  
 Lab: TSI MASON

DAY ON TEST	ANIMAL ID																													
	0315	0317	0317	0318	0318	0318	0318	0318	0318	0318	0318	0318	0318	0318	0318	0318	0318	0318	0318	0318	0318	0318	0318	0318	0318	0318	0318	0318	0318	0318
<b>F 344/N Rat Male</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>100 MG/KG</b>	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5
	1	0	0	5	5	5	5	5	5	5	5	5	5	5	5	5	5	8	9	1	2	3	5	9	9	9	9	0	0	0
	5	7	7	8	8	8	8	8	8	8	8	8	8	8	8	8	6	2	1	7	3	7	3	3	7	4	4	4	0	4
Pituitary Gland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pars Distalis, Adenoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thyroid Gland	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
	5	2	3	2	3	3	4	4	4	5	6	7	7	4	6	5	6	6	7	3	6	6	7	2	3	6	3	2	5	5
	4	7	4	6	2	3	2	6	8	1	1	4	6	4	2	9	6	4	7	5	5	9	8	6	3	1	9	2	6	2
				M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
						X	X		X	X			X																	
<b>General Body System</b>																														
NONE																														
<b>Genital System</b>																														
Epididymis				+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Preputial Gland				+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M
Prostate				+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Seminal Vesicle				+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Testes				+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Bilateral, Interstit Cell, Adenoma					X																									
Interstit Cell, Adenoma													X	X	X															
<b>Hematopoietic System</b>																														
Bone Marrow				+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mandibular				+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mesenteric				+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen				+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Thymus				+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Epithel Cell, Thymoma Benign													X																	
<b>Integumentary System</b>																														

\* ..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: 05069-10  
 Test Type: CHRONIC  
 Route: DERMAL,SOLUTION  
 Species/Strain: Rat/F 344/N

**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: 01:29:22  
 First Dose M/F: NA / NA  
 Lab: TSI MASON

**F 344/N Rat Male**  
**100 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	
	3	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	
	1	0	0	5	5	5	5	5	5	5	5	5	5	8	9	1	2	3	5	9	9	0	0	0	1	1	1	1	2	2	
	5	7	7	8	8	8	8	8	8	8	8	8	8	6	2	1	7	3	7	3	3	7	4	4	4	0	4	4	0	8	
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	
	5	2	3	2	3	3	4	4	4	5	6	7	7	4	6	5	6	6	7	3	6	7	2	3	6	3	2	5	5	7	2
	4	7	4	6	2	3	2	6	8	1	1	4	6	4	2	9	6	4	7	5	5	9	8	6	3	1	9	2	6	2	4

**Integumentary System**

Mammary Gland				M	+	M	M	+	+	+	+	+	+	+	M
Skin				+	+	+	+	+	+	+	+	+	+	+	+

**Musculoskeletal System**

Bone				+	+	+	+	+	+	+	+	+	+	+	+
------	--	--	--	---	---	---	---	---	---	---	---	---	---	---	---

**Nervous System**

Brain				+	+	+	+	+	+	+	+	+	+	+	+
-------	--	--	--	---	---	---	---	---	---	---	---	---	---	---	---

**Respiratory System**

Lung				+	+	+	+	+	+	+	+	+	+	+	+
Alveolar/Bronchiolar Adenoma												X			
Nose				+	+	+	+	+	+	+	+	+	+	+	+
Trachea				+	+	+	+	+	+	+	+	+	+	+	+

**Special Senses System**

NONE															
------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

**Urinary System**

Kidney				+	+	+	+	+	+	+	+	+	+	+	+
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: 05069-10

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: 01:29:22

Route: DERMAL,SOLUTION

CAS Number: 147-47-7

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: TSI MASON

F 344/N Rat Male 100 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		
		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	
		2	4	5	5	5	5	5	6	6	6	6	6	6	7	7	7	7	8	8	8	0	1	1	1	1	2	2	2	2
		8	3	1	1	3	5	5	0	1	1	5	7	7	0	3	3	7	1	7	8	2	0	2	4	7	3	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	
	4	2	2	6	4	4	5	3	4	7	7	5	8	5	2	4	5	6	4	7	5	7	6	3	7	3	2	3	6	
	1	3	5	9	5	3	8	8	9	1	0	5	0	7	1	0	0	8	7	3	3	5	7	9	8	7	2	0	0	

Alimentary System

- Esophagus
- Intestine Large, Cecum
- Intestine Large, Colon
- Intestine Large, Rectum
- Intestine Small, Duodenum
- Intestine Small, Ileum
- Intestine Small, Jejunum
- Liver
- Mesentery
- Pancreas
- Salivary Glands
- Stomach, Forestomach
- Stomach, Glandular

Cardiovascular System

- Heart

Endocrine System

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

\* ..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:** 05069-10  
**Test Type:** CHRONIC  
**Route:** DERMAL,SOLUTION  
**Species/Strain:** Rat/F 344/N

**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:** 01:29:22  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**F 344/N Rat Male**  
**100 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
	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7
	2	4	5	5	5	5	5	6	6	6	6	6	7	7	7	7	8	8	8	0	1	1	1	1	2	2	2	2
	8	3	1	1	3	5	5	0	1	1	5	7	7	0	3	3	7	1	7	8	2	0	2	4	7	3	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
	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	2	2	6	4	4	5	3	4	7	7	5	8	5	2	4	5	6	4	7	5	7	6	3	7	3	2	3
	1	3	5	9	5	3	8	8	9	1	0	5	0	7	1	0	0	8	7	3	3	5	7	9	8	7	2	0

Pituitary Gland  
Pars Distalis, Adenoma  
Thyroid Gland  
**General Body System**  
NONE  
**Genital System**  
Epididymis  
Preputial Gland  
Prostate  
Seminal Vesicle  
Testes  
Bilateral, Interstit Cell, Adenoma  
Interstit Cell, Adenoma  
**Hematopoietic System**  
Bone Marrow  
Lymph Node, Mandibular  
Lymph Node, Mesenteric  
Spleen  
Thymus  
Epithel Cell, Thymoma Benign  
**Integumentary 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:** 05069-10  
**Test Type:** CHRONIC  
**Route:** DERMAL,SOLUTION  
**Species/Strain:** Rat/F 344/N

**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:** 01:29:23  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

DAY ON TEST

**F 344/N Rat Male**  
**100 MG/KG**

ANIMAL ID

**\*TOTALS**

**Alimentary System**

Esophagus	10
Intestine Large, Cecum	10
Intestine Large, Colon	10
Intestine Large, Rectum	10
Intestine Small, Duodenum	10
Intestine Small, Ileum	10
Intestine Small, Jejunum	10
Liver	10
Mesentery	1
Pancreas	10
Salivary Glands	10
Stomach, Forestomach	10
Stomach, Glandular	10

**Cardiovascular System**

Heart	10
-------	----

**Endocrine System**

Adrenal Gland, Cortex	10
Adrenal Gland, Medulla	10
Islets, Pancreatic	10
Parathyroid Gland	10
Pituitary Gland	9

\* ..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:** 05069-10  
**Test Type:** CHRONIC  
**Route:** DERMAL,SOLUTION  
**Species/Strain:** Rat/F 344/N

**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:** 01:29:23  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

DAY ON TEST

**F 344/N Rat Male**  
**100 MG/KG**

ANIMAL ID

**\*TOTALS**

Pars Distalis, Adenoma	5
Thyroid Gland	10
<b>General Body System</b>	
NONE	
<b>Genital System</b>	
Epididymis	10
Preputial Gland	9
Prostate	10
Seminal Vesicle	10
Testes	10
Bilateral, Interstit Cell, Adenoma	1
Interstit Cell, Adenoma	3
<b>Hematopoietic System</b>	
Bone Marrow	10
Lymph Node, Mandibular	10
Lymph Node, Mesenteric	10
Spleen	10
Thymus	9
Epithel Cell, Thymoma Benign	1
<b>Integumentary System</b>	
Mammary Gland	6
Skin	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: 05069-10  
Test Type: CHRONIC  
Route: DERMAL,SOLUTION  
Species/Strain: Rat/F 344/N

**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: 01:29:23  
First Dose M/F: NA / NA  
Lab: TSI MASON

DAY ON TEST

**F 344/N Rat Male**  
**100 MG/KG**

ANIMAL ID

\*TOTALS

**Musculoskeletal System**

Bone 10

**Nervous System**

Brain 10

**Respiratory System**

Lung 10

Alveolar/Bronchiolar Adenoma 1

Nose 10

Trachea 10

**Special Senses System**

NONE

**Urinary System**

Kidney 10

Urinary Bladder 10

**SYSTEMIC LESIONS**

Multiple Organ 10

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

\* ..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: 05069-10  
 Test Type: CHRONIC  
 Route: DERMAL,SOLUTION  
 Species/Strain: Rat/F 344/N

**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: 01:29:23  
 First Dose M/F: NA / NA  
 Lab: TSI MASON

<b>F 344/N Rat Female</b> <b>0 MG/KG</b>	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
		3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
		1	6	2	2	4	5	5	5	5	5	5	5	5	5	7	4	6	7	8	0	2	3	4	5	5	6	7	7	8	8	8	8	8	8
		4	7	7	9	0	7	7	7	7	7	7	7	7	7	7	5	4	1	5	2	7	2	8	0	3	6	5	1	4	2	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	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	2	2	2	2	2	2	2	2
	0	0	4	1	4	0	0	1	2	2	3	3	5	5	5	3	2	2	4	2	0	5	2	3	9	4	1	1	1	3	1	1	1	1	
	0	7	6	9	1	8	9	0	0	8	0	7	0	1	4	1	5	9	7	4	2	3	7	3	8	8	6	1	4	5	5	5	5	5	

**Nervous System**

Brain + + + + + + + + + +

**Respiratory System**

Lung + + + + + + + + + +

Nose + + + + + + + + + +

Trachea + + + + + + + + + +

**Special Senses System**

NONE

**Urinary System**

Kidney + + + + + + + + + +

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: 05069-10

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: 01:29:23

Route: DERMAL,SOLUTION

CAS Number: 147-47-7

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: TSI MASON

F 344/N Rat Female  
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
ANIMAL ID	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
	8	9	0	0	1	1	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
	8	8	3	5	6	6	1	8	3	5	5	5	5	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	
	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	
	9	4	0	4	0	5	4	2	3	4	4	4	5	9	9	0	0	0	1	1	1	2	2	3	3	3	
	6	9	3	5	6	2	0	1	4	2	3	4	5	7	9	1	4	5	2	3	7	8	2	3	6	9	

Alimentary System

- Esophagus
- Intestine Large, Cecum
- Intestine Large, Colon
- Intestine Large, Rectum
- Intestine Small, Duodenum
- Intestine Small, Ileum
- Intestine Small, Jejunum
- Liver
- Pancreas
- Salivary Glands
- Stomach, Forestomach
- Stomach, Glandular

Cardiovascular System

Heart

Endocrine System

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

\* ..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: 05069-10  
 Test Type: CHRONIC  
 Route: DERMAL,SOLUTION  
 Species/Strain: Rat/F 344/N

**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: 01:29:24  
 First Dose M/F: NA / NA  
 Lab: TSI MASON

**F 344/N Rat Female  
 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
	6	6	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
	8	9	0	0	1	1	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	8	8	3	5	6	6	1	8	3	5	5	5	5	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
	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	9	4	0	4	0	5	4	2	3	4	4	4	5	9	9	0	0	0	1	1	1	1	2	2	2	3	3	3	3
	6	9	3	5	6	2	0	1	4	2	3	4	5	7	9	1	4	5	2	3	7	8	2	3	6	2	6	8	9

Pars Distalis, Adenoma  
 Thyroid Gland

**General Body System**

NONE

**Genital System**

Clitoral Gland  
 Adenoma  
 Ovary  
 Uterus

**Hematopoietic System**

Bone Marrow  
 Lymph Node, Mandibular  
 Lymph Node, Mesenteric  
 Spleen  
 Thymus

**Integumentary System**

Mammary Gland  
 Skin

**Musculoskeletal System**

Bone

\* ..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: 05069-10  
 Test Type: CHRONIC  
 Route: DERMAL,SOLUTION  
 Species/Strain: Rat/F 344/N

**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: 01:29:24  
 First Dose M/F: NA / NA  
 Lab: TSI MASON

**F 344/N Rat Female**  
**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		
	6	6	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		
	8	9	0	0	1	1	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
	8	8	3	5	6	6	1	8	3	5	5	5	5	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		
	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2		
	9	4	0	4	0	5	4	2	3	4	4	4	5	9	9	0	0	0	1	1	1	1	2	2	3	3	3		
	6	9	3	5	6	2	0	1	4	2	3	4	5	7	9	1	4	5	2	3	7	8	2	3	6	2	6	8	9

**Nervous System**

Brain

**Respiratory System**

Lung  
 Nose  
 Trachea

**Special Senses System**

NONE

**Urinary System**

Kidney  
 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: 05069-10  
Test Type: CHRONIC  
Route: DERMAL,SOLUTION  
Species/Strain: Rat/F 344/N

**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: 01:29:24  
First Dose M/F: NA / NA  
Lab: TSI MASON

DAY ON TEST

**F 344/N Rat Female**  
**0 MG/KG**

ANIMAL ID

\*TOTALS

**Alimentary System**

Esophagus	10
Intestine Large, Cecum	10
Intestine Large, Colon	10
Intestine Large, Rectum	10
Intestine Small, Duodenum	10
Intestine Small, Ileum	10
Intestine Small, Jejunum	10
Liver	10
Pancreas	10
Salivary Glands	10
Stomach, Forestomach	10
Stomach, Glandular	10

**Cardiovascular System**

Heart	10
-------	----

**Endocrine System**

Adrenal Gland, Cortex	10
Adrenal Gland, Medulla	10
Islets, Pancreatic	10
Parathyroid Gland	10
Pituitary Gland	10
Pars Distalis, Adenoma	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: 05069-10  
Test Type: CHRONIC  
Route: DERMAL,SOLUTION  
Species/Strain: Rat/F 344/N

**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: 01:29:24  
First Dose M/F: NA / NA  
Lab: TSI MASON

DAY ON TEST

**F 344/N Rat Female**  
**0 MG/KG**

ANIMAL ID

\*TOTALS

Thyroid Gland	10
<b>General Body System</b>	
NONE	
<b>Genital System</b>	
Clitoral Gland	10
Adenoma	1
Ovary	10
Uterus	10
<b>Hematopoietic System</b>	
Bone Marrow	10
Lymph Node, Mandibular	10
Lymph Node, Mesenteric	10
Spleen	10
Thymus	10
<b>Integumentary System</b>	
Mammary Gland	10
Skin	10
<b>Musculoskeletal System</b>	
Bone	10
<b>Nervous System</b>	
Brain	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:** 05069-10  
**Test Type:** CHRONIC  
**Route:** DERMAL,SOLUTION  
**Species/Strain:** Rat/F 344/N

**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:** 01:29:24  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

DAY ON TEST

**F 344/N Rat Female**  
**0 MG/KG**

ANIMAL ID

\*TOTALS

**Respiratory System**

Lung	10
Nose	10
Trachea	10

**Special Senses System**

NONE

**Urinary System**

Kidney	10
Urinary Bladder	10

**SYSTEMIC LESIONS**

Multiple Organ	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: 05069-10  
 Test Type: CHRONIC  
 Route: DERMAL,SOLUTION  
 Species/Strain: Rat/F 344/N

**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: 01:29:24  
 First Dose M/F: NA / NA  
 Lab: TSI MASON

**F 344/N Rat Female  
 60 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	
	2	2	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	6	6	6	6	6	6	7	7	7	7
	3	5	8	2	3	4	5	5	5	5	5	5	5	5	5	7	8	9	2	5	2	3	4	5	7	8	0	0	0	0	
	2	6	5	2	5	4	7	7	7	7	7	7	7	7	7	7	8	4	6	6	9	6	9	2	5	8	5	7	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	
	2	2	3	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	3	3	2	2	2	3	2	2	2	2	
	8	8	0	9	7	7	6	6	7	8	8	9	9	9	9	0	0	1	9	8	6	1	0	5	8	8	0	5	8	7	7
	1	0	8	8	4	9	2	3	5	2	7	2	3	5	7	4	3	2	1	5	4	5	9	7	4	6	5	8	3	1	8

**Musculoskeletal System**

Bone + + + + + + + + + +

**Nervous System**

Brain + + + + + + + + + +  
 Astrocytoma Malignant X

**Respiratory System**

Lung + + + + + + + + + +  
 Nose + + + + + + + + + +  
 Trachea + + + + + + + + + +

**Special Senses System**

NONE

**Urinary System**

Kidney + + + + + + + + + +  
 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:** 05069-10  
**Test Type:** CHRONIC  
**Route:** DERMAL,SOLUTION  
**Species/Strain:** Rat/F 344/N

**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:** 01:29:24  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**F 344/N Rat Female**  
**60 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		
	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	1	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		
	9	3	8	5	5	5	5	5	5	5	5	5	5	5	5	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		
	3	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		
	0	7	6	5	5	6	6	6	6	6	7	7	7	8	8	9	9	9	9	0	0	0	0	1	1	1	1		
	0	2	1	6	9	0	5	6	7	8	9	0	3	6	7	8	9	0	4	6	9	1	2	6	7	0	1	3	4

**Alimentary System**

- Esophagus
- Intestine Large, Cecum
- Intestine Large, Colon
- Intestine Large, Rectum
- Intestine Small, Duodenum
- Intestine Small, Ileum
- Intestine Small, Jejunum
- Liver
- Pancreas
- Salivary Glands
- Stomach, Forestomach
- Stomach, Glandular

**Cardiovascular System**

- Heart

**Endocrine System**

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

\* ..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: 05069-10  
 Test Type: CHRONIC  
 Route: DERMAL,SOLUTION  
 Species/Strain: Rat/F 344/N

**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: 01:29:25  
 First Dose M/F: NA / NA  
 Lab: TSI MASON

**F 344/N Rat Female  
 60 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	7		
	0	1	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		
	9	3	8	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		
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	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		
	0	7	6	5	5	6	6	6	6	6	7	7	7	8	8	9	9	9	9	0	0	0	0	1	1	1	1	1		
	0	2	1	6	9	0	5	6	6	7	8	9	0	3	6	7	8	9	0	4	6	9	1	2	6	7	0	1	3	4

Pars Distalis, Adenoma  
 Thyroid Gland

**General Body System**

NONE

**Genital System**

Clitoral Gland  
 Adenoma  
 Ovary  
 Uterus  
 Polyp Stromal

**Hematopoietic System**

Bone Marrow  
 Lymph Node, Mandibular  
 Lymph Node, Mesenteric  
 Spleen  
 Thymus

**Integumentary System**

Mammary Gland  
 Fibroadenoma  
 Skin

\* ..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:** 05069-10  
**Test Type:** CHRONIC  
**Route:** DERMAL,SOLUTION  
**Species/Strain:** Rat/F 344/N

**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:** 01:29:25  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

DAY ON TEST

**F 344/N Rat Female**  
**60 MG/KG**

ANIMAL ID

\*TOTALS

**Alimentary System**

Esophagus	10
Intestine Large, Cecum	10
Intestine Large, Colon	10
Intestine Large, Rectum	10
Intestine Small, Duodenum	10
Intestine Small, Ileum	10
Intestine Small, Jejunum	10
Liver	10
Pancreas	10
Salivary Glands	10
Stomach, Forestomach	10
Stomach, Glandular	10

**Cardiovascular System**

Heart	10
-------	----

**Endocrine System**

Adrenal Gland, Cortex	10
Adrenal Gland, Medulla	10
Islets, Pancreatic	10
Parathyroid Gland	10
Pituitary Gland	10
Pars Distalis, Adenoma	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:** 05069-10  
**Test Type:** CHRONIC  
**Route:** DERMAL,SOLUTION  
**Species/Strain:** Rat/F 344/N

**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:** 01:29:25  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

DAY ON TEST

**F 344/N Rat Female**  
**60 MG/KG**

ANIMAL ID

\*TOTALS

Thyroid Gland	10
<b>General Body System</b>	
NONE	
<b>Genital System</b>	
Clitoral Gland	10
Adenoma	1
Ovary	10
Uterus	10
Polyp Stromal	1
<b>Hematopoietic System</b>	
Bone Marrow	10
Lymph Node, Mandibular	10
Lymph Node, Mesenteric	10
Spleen	10
Thymus	9
<b>Integumentary System</b>	
Mammary Gland	10
Fibroadenoma	1
Skin	10
<b>Musculoskeletal System</b>	
Bone	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:** 05069-10  
**Test Type:** CHRONIC  
**Route:** DERMAL,SOLUTION  
**Species/Strain:** Rat/F 344/N

**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:** 01:29:25  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

DAY ON TEST

**F 344/N Rat Female**  
**60 MG/KG**

ANIMAL ID

\*TOTALS

**Nervous System**

Brain	10
Astrocytoma Malignant	1

**Respiratory System**

Lung	10
Nose	10
Trachea	10

**Special Senses System**

NONE

**Urinary System**

Kidney	10
Urinary Bladder	10

**SYSTEMIC LESIONS**

Multiple Organ	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: 05069-10

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: 01:29:25

Route: DERMAL,SOLUTION

CAS Number: 147-47-7

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

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										
<b>F 344/N Rat Female</b>	1	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	6	0	1	4	6	6	8	1	1	2	2	3	3	4	4	6	6	8		
<b>100 MG/KG</b>	6	4	0	7	7	7	7	7	7	7	7	7	7	7	4	7	7	6	3	8	0	5	9	2	5	0	1	2	3	3	4	4	6	6	8	8	2			
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	3	3	3		
	3	3	5	1	2	2	2	4	4	5	5	5	6	3	2	4	4	6	2	7	4	5	3	6	4	6	6	3	1	6	4	6	3	1	6	4	3			
	3	5	4	6	4	7	8	8	9	1	5	9	6	0	6	0	4	1	1	3	1	8	4	7	6	9	3	8	7	5	8	7	5	5	3	3				
Pituitary Gland					+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Pars Distalis, Adenoma							X				X																													
Thyroid Gland					+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
<b>General Body System</b>																																								
NONE																																								
<b>Genital System</b>																																								
Clitoral Gland					+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Ovary					+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Uterus					+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Polyp Stromal												X																												
<b>Hematopoietic System</b>																																								
Bone Marrow					+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mandibular					+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mesenteric					+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen					+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Thymus					+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<b>Integumentary System</b>																																								
Mammary Gland					+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skin					+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<b>Musculoskeletal System</b>																																								

\* ..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: 05069-10

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: 01:29:25

Route: DERMAL,SOLUTION

CAS Number: 147-47-7

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: TSI MASON

F 344/N Rat Female  
100 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
	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	8	8	8	9	0	1	1	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	2	5	6	9	6	2	6	8	8	5	5	5	5	5	5	5	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
	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	7	2	3	3	7	5	2	6	1	1	2	2	2	3	3	3	4	4	4	5	5	5	5	6	6	6	7
	2	0	5	1	6	5	7	2	2	8	9	0	3	9	2	7	9	2	5	7	0	2	3	6	0	4	8	1

Alimentary System

- Esophagus
- Intestine Large, Cecum
- Intestine Large, Colon
- Intestine Large, Rectum
- Intestine Small, Duodenum
- Intestine Small, Ileum
- Intestine Small, Jejunum
- Liver
- Mesentery
- Pancreas
- Salivary Glands
- Stomach, Forestomach
- Stomach, Glandular

Cardiovascular System

- Heart

Endocrine System

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

\* ..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: 05069-10  
 Test Type: CHRONIC  
 Route: DERMAL,SOLUTION  
 Species/Strain: Rat/F 344/N

**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: 01:29:26  
 First Dose M/F: NA / NA  
 Lab: TSI MASON

**F 344/N Rat Female  
 100 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
	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	8	8	8	9	0	1	1	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	2	5	6	9	6	2	6	8	8	5	5	5	5	5	5	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
	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	7	2	3	3	7	5	2	6	1	1	2	2	2	3	3	3	4	4	4	5	5	5	5	6	6	7
	2	0	5	1	6	5	7	2	2	8	9	0	3	9	2	7	9	2	5	7	0	2	3	6	0	4	8

- Bone
- Nervous System**
- Brain
- Respiratory System**
- Lung
- Nose
- Trachea
- Special Senses System**
- Eye
- Urinary System**
- Kidney
- 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:** 05069-10  
**Test Type:** CHRONIC  
**Route:** DERMAL,SOLUTION  
**Species/Strain:** Rat/F 344/N

**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:** 01:29:26  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

DAY ON TEST

**F 344/N Rat Female**  
**100 MG/KG**

ANIMAL ID

**\*TOTALS**

**Alimentary System**

Esophagus	10
Intestine Large, Cecum	10
Intestine Large, Colon	10
Intestine Large, Rectum	10
Intestine Small, Duodenum	10
Intestine Small, Ileum	10
Intestine Small, Jejunum	10
Liver	10
Mesentery	2
Pancreas	10
Salivary Glands	10
Stomach, Forestomach	10
Stomach, Glandular	10

**Cardiovascular System**

Heart	10
-------	----

**Endocrine System**

Adrenal Gland, Cortex	10
Adrenal Gland, Medulla	10
Islets, Pancreatic	10
Parathyroid Gland	10
Pituitary 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:** 05069-10  
**Test Type:** CHRONIC  
**Route:** DERMAL,SOLUTION  
**Species/Strain:** Rat/F 344/N

**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:** 01:29:26  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

DAY ON TEST

**F 344/N Rat Female**  
**100 MG/KG**

ANIMAL ID

**\*TOTALS**

Pars Distalis, Adenoma	2
Thyroid Gland	10
<b>General Body System</b>	
NONE	
<b>Genital System</b>	
Clitoral Gland	10
Ovary	10
Uterus	10
Polyp Stromal	1
<b>Hematopoietic System</b>	
Bone Marrow	10
Lymph Node, Mandibular	10
Lymph Node, Mesenteric	10
Spleen	10
Thymus	10
<b>Integumentary System</b>	
Mammary Gland	10
Skin	10
<b>Musculoskeletal System</b>	
Bone	10
<b>Nervous System</b>	

\* ..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: 05069-10  
Test Type: CHRONIC  
Route: DERMAL,SOLUTION  
Species/Strain: Rat/F 344/N

**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: 01:29:26  
First Dose M/F: NA / NA  
Lab: TSI MASON

DAY ON TEST

**F 344/N Rat Female**  
**100 MG/KG**

ANIMAL ID	*TOTALS
Brain	10
<b>Respiratory System</b>	
Lung	10
Nose	10
Trachea	10
<b>Special Senses System</b>	
Eye	1
<b>Urinary System</b>	
Kidney	10
Urinary Bladder	10
<b>SYSTEMIC LESIONS</b>	
Multiple Organ	10

**\*\* 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  
BLANK ..Not examined microscopically