

**Experiment Number:** 04626-01  
**Test Type:** 90-DAY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/F 344/N

**P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a)**

**Test Compound:** 1,1,1-Trichloroethane

**CAS Number:** 71-55-6

**Date Report Requested:** 10/18/2014

**Time Report Requested:** 16:22:22

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

**Lab:** TSI MASON

<b>C Number:</b>	C04626C
<b>Lock Date:</b>	03/17/1992
<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: 04626-01

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Route: DOSED FEED

CAS Number: 71-55-6

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: TSI MASON

F 344/N Rat MALE	UNTREATD	VEHICLE	0.5%	1.0%	2.0%	4.0%
<b>Disposition Summary</b>						
Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Survivors						
Terminal Sacrifice	10	10	10	10	10	10
Animals Examined Microscopically	10	10	10	10	10	10
<b>ALIMENTARY SYSTEM</b>						
Esophagus	(10)	(10)	(0)	(0)	(0)	(0)
Intestine Large, Cecum	(10)	(10)	(0)	(0)	(0)	(0)
Dilatation						
Intestine Large, Colon	(10)	(10)	(0)	(0)	(0)	(0)
Intestine Large, Rectum	(10)	(10)	(0)	(0)	(0)	(0)
Intestine Small, Duodenum	(10)	(10)	(0)	(0)	(0)	(0)
Intestine Small, Ileum	(10)	(10)	(0)	(0)	(0)	(0)
Intestine Small, Jejunum	(10)	(10)	(0)	(0)	(0)	(0)
Liver	(10)	(10)	(2)	(2)	(0)	(0)
Cytoplasmic Alteration				1 (50%)		
Hepatodiaphragmatic Nodule		1 (10%)		1 (50%)		
Mesentery	(0)	(0)	(0)	(0)	(1)	(0)
Fat, Hemorrhage					1 (100%)	
Pancreas	(10)	(10)	(0)	(0)	(0)	(0)
Acinus, Atrophy	1 (10%)	1 (10%)				
Salivary Glands	(10)	(10)	(0)	(0)	(0)	(0)
Stomach, Forestomach	(10)	(10)	(0)	(0)	(0)	(0)
Stomach, Glandular	(10)	(10)	(0)	(0)	(0)	(0)
<b>CARDIOVASCULAR SYSTEM</b>						
Heart	(10)	(10)	(0)	(0)	(0)	(0)
Cardiomyopathy	9 (90%)	9 (90%)				

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

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First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: TSI MASON

F 344/N Rat MALE	UNTREATD	VEHICLE	0.5%	1.0%	2.0%	4.0%
<b>ENDOCRINE SYSTEM</b>						
Adrenal Cortex	(10)	(10)	(0)	(0)	(0)	(0)
Adrenal Medulla	(10)	(10)	(0)	(0)	(0)	(0)
Islets, Pancreatic	(10)	(10)	(0)	(0)	(0)	(0)
Parathyroid Gland	(10)	(9)	(0)	(0)	(0)	(0)
Pituitary Gland	(10)	(10)	(0)	(0)	(0)	(0)
Thyroid Gland	(10)	(9)	(0)	(0)	(0)	(0)
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						
Epididymis	(10)	(10)	(0)	(0)	(0)	(0)
Preputial Gland	(10)	(10)	(0)	(0)	(0)	(0)
Abscess						
Inflammation, Acute		1 (10%)				
Prostate	(10)	(10)	(0)	(0)	(0)	(0)
Seminal Vesicle	(10)	(10)	(0)	(0)	(0)	(0)
Testes	(10)	(10)	(0)	(0)	(0)	(0)
<b>HEMATOPOIETIC SYSTEM</b>						
Bone Marrow	(10)	(10)	(0)	(4)	(0)	(0)
Lymph Node, Mandibular	(10)	(10)	(0)	(0)	(0)	(0)
Lymph Node, Mesenteric	(10)	(10)	(0)	(0)	(0)	(0)
Spleen	(10)	(10)	(0)	(0)	(0)	(0)
Congestion						
Thymus	(10)	(10)	(0)	(0)	(0)	(0)
<b>INTEGUMENTARY SYSTEM</b>						
Mammary Gland	(8)	(4)	(0)	(0)	(0)	(0)
Skin	(10)	(10)	(0)	(0)	(0)	(0)

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

Experiment Number: 04626-01

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: Rat/F 344/N

**P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a)**

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First Dose M/F: NA / NA

Lab: TSI MASON

F 344/N Rat MALE	UNTREATD	VEHICLE	0.5%	1.0%	2.0%	4.0%
<b>MUSCULOSKELETAL SYSTEM</b>						
Bone	(10)	(10)	(0)	(4)	(0)	(0)
<b>NERVOUS SYSTEM</b>						
Brain	(10)	(10)	(0)	(0)	(0)	(0)
Hemorrhage		1 (10%)				
<b>RESPIRATORY SYSTEM</b>						
Lung	(10)	(10)	(0)	(0)	(0)	(0)
Hemorrhage						
Nose	(10)	(10)	(0)	(0)	(0)	(0)
Trachea	(10)	(10)	(0)	(0)	(0)	(0)
<b>SPECIAL SENSES SYSTEM</b>						
None						
<b>URINARY SYSTEM</b>						
Kidney	(10)	(10)	(10)	(10)	(10)	(10)
Cortex, Mineralization	2 (20%)	2 (20%)				
Inflammation, Chronic				2 (20%)	7 (70%)	10 (100%)
Renal Tubule, Casts					1 (10%)	5 (50%)
Renal Tubule, Degeneration, Hyaline					10 (100%)	10 (100%)
Renal Tubule, Regeneration	10 (100%)	10 (100%)	10 (100%)	10 (100%)	11 (110%)	10 (100%)
Urinary Bladder	(10)	(10)	(1)	(1)	(0)	(0)
Calculus Gross Observation		2 (20%)	1 (100%)	1 (100%)		
Calculus Micro Observation Only		1 (10%)	1 (100%)	1 (100%)		

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

Experiment Number: 04626-01

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: Rat/F 344/N

**P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a)**

Test Compound: 1,1,1-Trichloroethane

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Time Report Requested: 16:22:22

First Dose M/F: NA / NA

Lab: TSI MASON

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<b>F 344/N Rat MALE</b>	<b>8.0%</b>
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**Disposition Summary**

<b>Animals Initially In Study</b>	<b>10</b>
<b>Early Deaths</b>	
<b>Survivors</b>	
<b>Terminal Sacrifice</b>	<b>10</b>
<b>Animals Examined Microscopically</b>	<b>10</b>

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**ALIMENTARY SYSTEM**

Esophagus	(10)
Intestine Large, Cecum	(10)
Dilatation	1 (10%)
Intestine Large, Colon	(10)
Intestine Large, Rectum	(10)
Intestine Small, Duodenum	(10)
Intestine Small, Ileum	(10)
Intestine Small, Jejunum	(10)
Liver	(10)
Cytoplasmic Alteration	
Hepatodiaphragmatic Nodule	
Mesentery	(0)
Fat, Hemorrhage	
Pancreas	(10)
Acinus, Atrophy	1 (10%)
Salivary Glands	(10)
Stomach, Forestomach	(10)
Stomach, Glandular	(10)

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**CARDIOVASCULAR SYSTEM**

Heart	(10)
Cardiomyopathy	10 (100%)

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

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**Route:** DOSED FEED

**Species/Strain:** Rat/F 344/N

**P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a)**

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**Date Report Requested:** 10/18/2014

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

**Lab:** TSI MASON

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<b>F 344/N Rat MALE</b>	<b>8.0%</b>
<b>ENDOCRINE SYSTEM</b>	
Adrenal Cortex	(10)
Adrenal Medulla	(10)
Islets, Pancreatic	(10)
Parathyroid Gland	(10)
Pituitary Gland	(10)
Thyroid Gland	(10)
<b>GENERAL BODY SYSTEM</b>	
None	
<b>GENITAL SYSTEM</b>	
Epididymis	(10)
Preputial Gland	(10)
Abscess	1 (10%)
Inflammation, Acute	
Prostate	(10)
Seminal Vesicle	(10)
Testes	(10)
<b>HEMATOPOIETIC SYSTEM</b>	
Bone Marrow	(10)
Lymph Node, Mandibular	(10)
Lymph Node, Mesenteric	(10)
Spleen	(10)
Congestion	1 (10%)
Thymus	(10)
<b>INTEGUMENTARY SYSTEM</b>	
Mammary Gland	(6)
Skin	(10)

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

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Species/Strain: Rat/F 344/N

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CAS Number: 71-55-6

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First Dose M/F: NA / NA

Lab: TSI MASON

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<b>F 344/N Rat MALE</b>	<b>8.0%</b>
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MUSCULOSKELETAL SYSTEM	
Bone	(10)

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NERVOUS SYSTEM	
Brain	(10)
Hemorrhage	

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RESPIRATORY SYSTEM	
Lung	(10)
Hemorrhage	1 (10%)
Nose	(10)
Trachea	(10)

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SPECIAL SENSES SYSTEM	
None	

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URINARY SYSTEM	
Kidney	(10)
Cortex, Mineralization	1 (10%)
Inflammation, Chronic	10 (100%)
Renal Tubule, Casts	10 (100%)
Renal Tubule, Degeneration, Hyaline	10 (100%)
Renal Tubule, Regeneration	10 (100%)
Urinary Bladder	(10)
Calculus Gross Observation	
Calculus Micro Observation Only	

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

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

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First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: TSI MASON

F 344/N Rat FEMALE	UNTREATD	VEHICLE	0.5%	1.0%	2.0%	4.0%
<b>Disposition Summary</b>						
Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Survivors						
Terminal Sacrifice	10	10	10	10	10	10
Animals Examined Microscopically	10	10	10	10	10	10
<b>ALIMENTARY SYSTEM</b>						
Esophagus	(10)	(10)	(0)	(0)	(0)	(0)
Intestine Large, Cecum	(10)	(10)	(0)	(0)	(0)	(1)
Dilatation						1 (100%)
Intestine Large, Colon	(10)	(10)	(0)	(0)	(0)	(0)
Intestine Large, Rectum	(10)	(10)	(0)	(0)	(0)	(0)
Intestine Small, Duodenum	(10)	(10)	(0)	(0)	(0)	(0)
Intestine Small, Ileum	(10)	(10)	(0)	(0)	(0)	(0)
Intestine Small, Jejunum	(10)	(10)	(0)	(0)	(0)	(0)
Liver	(10)	(10)	(1)	(0)	(2)	(0)
Hepatodiaphragmatic Nodule			1 (100%)		1 (50%)	
Inflammation, Chronic						
Necrosis						
Pancreas	(10)	(10)	(0)	(0)	(0)	(0)
Acinus, Atrophy		1 (10%)				
Salivary Glands	(10)	(10)	(0)	(0)	(0)	(0)
Stomach, Forestomach	(10)	(10)	(0)	(0)	(0)	(0)
Stomach, Glandular	(10)	(10)	(0)	(0)	(0)	(0)
<b>CARDIOVASCULAR SYSTEM</b>						
Heart	(10)	(10)	(0)	(0)	(0)	(0)
Cardiomyopathy	7 (70%)	6 (60%)				
<b>ENDOCRINE SYSTEM</b>						

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



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First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: TSI MASON

F 344/N Rat FEMALE	UNTREATD	VEHICLE	0.5%	1.0%	2.0%	4.0%
Adrenal Cortex	(10)	(10)	(0)	(0)	(0)	(0)
Adrenal Medulla	(10)	(10)	(0)	(0)	(0)	(0)
Islets, Pancreatic	(10)	(10)	(0)	(0)	(0)	(0)
Parathyroid Gland	(9)	(10)	(0)	(0)	(0)	(0)
Pituitary Gland	(10)	(10)	(0)	(0)	(0)	(0)
Thyroid Gland	(10)	(10)	(0)	(0)	(0)	(0)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Clitoral Gland	(10)	(10)	(1)	(0)	(0)	(0)
Dilatation		1 (10%)	1 (100%)			
Ovary	(10)	(10)	(0)	(0)	(0)	(0)
Cyst		1 (10%)				
Uterus	(10)	(10)	(1)	(0)	(0)	(3)
Dilatation	1 (10%)		1 (100%)			
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(10)	(0)	(0)	(0)	(0)
Lymph Node	(0)	(0)	(0)	(1)	(0)	(0)
Mediastinal, Angiectasis				1 (100%)		
Lymph Node, Mandibular	(10)	(10)	(0)	(0)	(1)	(0)
Hyperplasia, Lymphoid					1 (100%)	
Lymph Node, Mesenteric	(10)	(10)	(0)	(0)	(0)	(0)
Spleen	(10)	(10)	(0)	(0)	(0)	(1)
Congestion						1 (100%)
Thymus	(10)	(10)	(0)	(0)	(0)	(0)
INTEGUMENTARY SYSTEM						
Mammary Gland	(9)	(9)	(0)	(0)	(0)	(0)
Skin	(10)	(10)	(0)	(0)	(0)	(0)

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

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Species/Strain: Rat/F 344/N

Lab: TSI MASON

F 344/N Rat FEMALE	UNTREATD	VEHICLE	0.5%	1.0%	2.0%	4.0%
<b>MUSCULOSKELETAL SYSTEM</b>						
Bone	(10)	(10)	(0)	(0)	(0)	(0)
Skeletal Muscle Atrophy	(0)	(0)	(0)	(0)	(0)	(0)
<b>NERVOUS SYSTEM</b>						
Brain	(10)	(10)	(0)	(0)	(0)	(0)
Spinal Cord	(0)	(0)	(0)	(0)	(0)	(0)
<b>RESPIRATORY SYSTEM</b>						
Lung	(10)	(10)	(0)	(0)	(0)	(0)
Nose	(10)	(10)	(0)	(0)	(0)	(0)
Trachea	(10)	(10)	(0)	(0)	(0)	(0)
<b>SPECIAL SENSES SYSTEM</b>						
None						
<b>URINARY SYSTEM</b>						
Kidney	(10)	(10)	(10)	(10)	(10)	(10)
Cortex, Mineralization	10 (100%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)
Inflammation, Chronic		3 (30%)	1 (10%)			2 (20%)
Renal Tubule, Regeneration	8 (80%)	7 (70%)	5 (50%)	6 (60%)	5 (50%)	9 (90%)
Urinary Bladder	(9)	(10)	(0)	(0)	(0)	(0)

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

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Species/Strain: Rat/F 344/N

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First Dose M/F: NA / NA

Lab: TSI MASON

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**F 344/N Rat FEMALE**

**8.0%**

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**Disposition Summary**

**Animals Initially In Study**

**10**

**Early Deaths**

**Survivors**

**Terminal Sacrifice**

**10**

**Animals Examined Microscopically**

**10**

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**ALIMENTARY SYSTEM**

Esophagus (10)

Intestine Large, Cecum (10)

Dilatation

Intestine Large, Colon (10)

Intestine Large, Rectum (10)

Intestine Small, Duodenum (10)

Intestine Small, Ileum (10)

Intestine Small, Jejunum (10)

Liver (10)

Hepatodiaphragmatic Nodule

Inflammation, Chronic 1 (10%)

Necrosis 1 (10%)

Pancreas (10)

Acinus, Atrophy

Salivary Glands (10)

Stomach, Forestomach (10)

Stomach, Glandular (10)

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**CARDIOVASCULAR SYSTEM**

Heart (10)

Cardiomyopathy 9 (90%)

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**ENDOCRINE SYSTEM**

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

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**Species/Strain:** Rat/F 344/N

**Lab:** TSI MASON

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<b>F 344/N Rat FEMALE</b>	<b>8.0%</b>
Adrenal Cortex	(10)
Adrenal Medulla	(10)
Islets, Pancreatic	(10)
Parathyroid Gland	(10)
Pituitary Gland	(10)
Thyroid Gland	(10)

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GENERAL BODY SYSTEM

None

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GENITAL SYSTEM

Clitoral Gland	(10)
Dilatation	
Ovary	(10)
Cyst	1 (10%)
Uterus	(10)
Dilatation	

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HEMATOPOIETIC SYSTEM

Bone Marrow	(10)
Lymph Node	(0)
Mediastinal, Angiectasis	
Lymph Node, Mandibular	(10)
Hyperplasia, Lymphoid	
Lymph Node, Mesenteric	(10)
Spleen	(10)
Congestion	
Thymus	(10)

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INTEGUMENTARY SYSTEM

Mammary Gland	(10)
Skin	(10)

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

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**Lab:** TSI MASON

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<b>F 344/N Rat FEMALE</b>	<b>8.0%</b>
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<b>MUSCULOSKELETAL SYSTEM</b>	
Bone	(10)
Skeletal Muscle	(1)
Atrophy	1 (100%)

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<b>NERVOUS SYSTEM</b>	
Brain	(10)
Spinal Cord	(1)

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<b>RESPIRATORY SYSTEM</b>	
Lung	(10)
Nose	(10)
Trachea	(10)

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<b>SPECIAL SENSES SYSTEM</b>	
None	

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<b>URINARY SYSTEM</b>	
Kidney	(10)
Cortex, Mineralization	10 (100%)
Inflammation, Chronic	4 (40%)
Renal Tubule, Regeneration	7 (70%)
Urinary Bladder	(10)

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

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