

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

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

**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:46:03  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

<b>C Number:</b>	C55301B
<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>	Male
<b>PWG Approval Date</b>	NONE

Experiment Number: 55301-03  
 Test Type: 90-DAY  
 Species/Strain: Rat/WISTAR OUTBR

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a)  
 Test Compound: Pyridine  
 CAS Number: 110-86-1

Date Report Requested: 10/21/2014  
 Time Report Requested: 15:46:03  
 First Dose M/F: NA / NA  
 Lab: TSI MASON

WISTAR OUTBR Rat MALE	0 PPM	50 PPM	100 PPM	250 PPM	500 PPM	1000 PPM
<b>Disposition Summary</b>						
Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Natural Death					1	
Survivors						
Terminal Sacrifice	10	10	10	10	9	10
Animals Examined Microscopically	10	10	10	10	9	10
<b>ALIMENTARY SYSTEM</b>						
Esophagus	(10)	(0)	(0)	(0)	(0)	(9)
Intestine Large, Cecum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Rectum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Duodenum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Ileum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Jejunum	(10)	(0)	(0)	(0)	(0)	(10)
Liver	(10)	(10)	(10)	(10)	(9)	(10)
Centrilobular, Degeneration					9 (100%)	9 (90%)
Centrilobular, Necrosis					1 (11%)	1 (10%)
Clear Cell Focus			1 (10%)	1 (10%)		1 (10%)
Hypertrophy					9 (100%)	10 (100%)
Inflammation, Chronic				2 (20%)	9 (100%)	9 (90%)
Necrosis, Focal		1 (10%)	2 (20%)			
Pigmentation					9 (100%)	9 (90%)
Regeneration						1 (10%)
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
Salivary Glands	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Forestomach	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Glandular	(10)	(0)	(0)	(0)	(0)	(10)
Inflammation, Acute	1 (10%)					1 (10%)

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

Experiment Number: 55301-03  
 Test Type: 90-DAY  
 Species/Strain: Rat/WISTAR OUTBR

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a)  
 Test Compound: Pyridine  
 CAS Number: 110-86-1

Date Report Requested: 10/21/2014  
 Time Report Requested: 15:46:03  
 First Dose M/F: NA / NA  
 Lab: TSI MASON

WISTAR OUTBR Rat MALE	0 PPM	50 PPM	100 PPM	250 PPM	500 PPM	1000 PPM
<b>CARDIOVASCULAR SYSTEM</b>						
Heart	(10)	(0)	(0)	(0)	(9)	(10)
Cardiomyopathy	5 (50%)				8 (89%)	2 (20%)
<b>ENDOCRINE SYSTEM</b>						
Adrenal Gland, Cortex	(10)	(0)	(0)	(0)	(0)	(10)
Adrenal Gland, Medulla	(10)	(0)	(0)	(0)	(0)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(0)	(0)	(10)
Parathyroid Gland	(9)	(0)	(0)	(0)	(0)	(7)
Pituitary Gland	(10)	(0)	(0)	(0)	(0)	(10)
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						
Epididymis	(9)	(0)	(0)	(0)	(0)	(10)
Preputial Gland	(10)	(0)	(0)	(0)	(0)	(10)
Inflammation, Chronic Active	1 (10%)					1 (10%)
Prostate	(10)	(0)	(0)	(0)	(0)	(10)
Seminal Vesicle	(10)	(0)	(0)	(0)	(0)	(10)
Testes	(10)	(0)	(0)	(0)	(1)	(10)
Edema					1 (100%)	
Seminif Tub, Giant Cell	1 (10%)					
<b>HEMATOPOIETIC SYSTEM</b>						
Bone Marrow	(10)	(0)	(0)	(0)	(0)	(10)
Lymph Node	(1)	(0)	(0)	(0)	(0)	(0)
Lumbar, Hyperplasia, Lymphoid	1 (100%)					
Lymph Node, Mandibular	(10)	(1)	(1)	(1)	(0)	(10)
Angiectasis				1 (100%)		
Hyperplasia, Lymphoid	1 (10%)	1 (100%)	1 (100%)	1 (100%)		1 (10%)

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

Experiment Number: 55301-03  
 Test Type: 90-DAY  
 Species/Strain: Rat/WISTAR OUTBR

**P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a)**  
 Test Compound: Pyridine  
 CAS Number: 110-86-1

Date Report Requested: 10/21/2014  
 Time Report Requested: 15:46:03  
 First Dose M/F: NA / NA  
 Lab: TSI MASON

WISTAR OUTBR Rat MALE	0 PPM	50 PPM	100 PPM	250 PPM	500 PPM	1000 PPM
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(0)	(10)
Hyperplasia, Lymphoid	1 (10%)					
Spleen	(10)	(0)	(0)	(0)	(0)	(10)
Thymus	(10)	(0)	(0)	(0)	(0)	(10)
<b>INTEGUMENTARY SYSTEM</b>						
Mammary Gland	(9)	(0)	(0)	(0)	(0)	(9)
Skin	(10)	(1)	(0)	(0)	(0)	(10)
<b>MUSCULOSKELETAL SYSTEM</b>						
Bone	(10)	(0)	(0)	(0)	(0)	(10)
<b>NERVOUS SYSTEM</b>						
Brain	(10)	(0)	(0)	(0)	(0)	(10)
<b>RESPIRATORY SYSTEM</b>						
Lung	(10)	(0)	(0)	(0)	(0)	(10)
Edema						2 (20%)
Hemorrhage	2 (20%)					1 (10%)
Infiltration Cellular, Histiocyte	3 (30%)					1 (10%)
Nose	(10)	(0)	(0)	(0)	(0)	(10)
Inflammation, Acute	1 (10%)					
Trachea	(10)	(0)	(0)	(0)	(0)	(10)
<b>SPECIAL SENSES SYSTEM</b>						
None						
<b>URINARY SYSTEM</b>						
Kidney	(10)	(10)	(10)	(10)	(9)	(10)
Casts	3 (30%)	3 (30%)	4 (40%)	4 (40%)	4 (44%)	5 (50%)
Casts Granular						1 (10%)
Hydronephrosis	2 (20%)	2 (20%)				
Inflammation, Chronic		1 (10%)	1 (10%)			2 (20%)

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

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a)**  
**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:46:03  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

<b>WISTAR OUTBR Rat MALE</b>	<b>0 PPM</b>	<b>50 PPM</b>	<b>100 PPM</b>	<b>250 PPM</b>	<b>500 PPM</b>	<b>1000 PPM</b>
Mineralization	7 (70%)	5 (50%)	4 (40%)	8 (80%)	8 (89%)	10 (100%)
Renal Tubule, Degeneration, Hyaline	2 (20%)			2 (20%)	3 (33%)	6 (60%)
Renal Tubule, Regeneration	5 (50%)	6 (60%)	5 (50%)	9 (90%)	7 (78%)	8 (80%)
Urinary Bladder	(10)	(0)	(0)	(2)	(0)	(10)
Calculus Gross Observation				1 (50%)		1 (10%)
Calculus Micro Observation Only				1 (50%)		1 (10%)
Concretion				1 (50%)		
Dilatation						1 (10%)

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

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