

**Experiment Number:** 88105-01  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH  
AVERAGE SEVERITY GRADES[b]**

**Test Compound:** Isoeugenol  
**CAS Number:** 97-54-1

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 02:36:10  
**First Dose M/F:** NA / NA  
**Lab:** BAT

<b>C Number:</b>	C88105
<b>Lock Date:</b>	03/01/2002
<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

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F 344/N Rat MALE	0 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG	600 MG/KG
<b>Disposition Summary</b>						
Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Dosing Accident						1
Survivors						
Terminal Sacrifice	10	10	10	10	10	9
Animals Examined Microscopically	10	10	10	10	10	10
<b>ALIMENTARY SYSTEM</b>						
Esophagus	(10)	(0)	(0)	(0)	(0)	(10)
Inflammation, Chronic	1 [1.0]					3 [1.7]
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)	(10)	(10)
Clear Cell Focus	1					
Hepatodiaphragmatic Nodule	2	1				1
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
Salivary Glands	(4)	(0)	(0)	(0)	(0)	(5)
Stomach, Forestomach	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Glandular	(10)	(0)	(0)	(0)	(0)	(10)
<b>CARDIOVASCULAR SYSTEM</b>						
Blood Vessel	(10)	(0)	(0)	(0)	(0)	(10)
Heart	(10)	(0)	(0)	(0)	(0)	(10)
Cardiomyopathy	10 [1.0]					10 [1.0]

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

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

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F 344/N Rat MALE	0 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG	600 MG/KG
<b>ENDOCRINE SYSTEM</b>						
Adrenal Cortex	(10)	(0)	(0)	(0)	(0)	(10)
Adrenal Medulla	(10)	(0)	(0)	(0)	(0)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(0)	(0)	(10)
Parathyroid Gland	(7)	(0)	(0)	(0)	(0)	(8)
Pituitary Gland	(10)	(0)	(0)	(0)	(0)	(10)
Cyst						1 [1.0]
Pars Distalis, Hyperplasia	1 [1.0]					
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						
Epididymis	(10)	(0)	(0)	(0)	(0)	(10)
Preputial Gland	(10)	(0)	(0)	(0)	(0)	(10)
Prostate	(10)	(0)	(0)	(0)	(0)	(10)
Seminal Vesicle	(10)	(0)	(0)	(0)	(0)	(10)
Testes	(10)	(0)	(0)	(0)	(0)	(10)
Germinal Epith, Atrophy	2 [1.0]					1 [1.0]
<b>HEMATOPOIETIC SYSTEM</b>						
Bone Marrow	(10)	(0)	(0)	(0)	(0)	(10)
Hypercellularity						1 [3.0]
Lymph Node	(1)	(3)	(4)	(3)	(2)	(0)
Deep Cervical, Hyperplasia, Lymphoid	1 [2.0]	3 [2.7]	3 [2.3]	3 [2.0]	2 [2.0]	
Mediastinal, Hyperplasia, Lymphoid			1 [3.0]			
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(1)	(10)
Hyperplasia, Lymphoid					1 [3.0]	
Spleen	(10)	(0)	(0)	(0)	(0)	(10)

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F 344/N Rat MALE	0 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG	600 MG/KG
Thymus	(10)	(0)	(0)	(0)	(0)	(10)
<b>INTEGUMENTARY SYSTEM</b>						
Mammary Gland	(9)	(0)	(0)	(0)	(0)	(10)
Skin	(10)	(0)	(0)	(0)	(0)	(10)
<b>MUSCULOSKELETAL SYSTEM</b>						
Bone	(10)	(0)	(0)	(0)	(0)	(10)
<b>NERVOUS SYSTEM</b>						
Brain	(10)	(1)	(0)	(0)	(0)	(10)
Hydrocephalus		1 [2.0]				
<b>RESPIRATORY SYSTEM</b>						
Lung	(10)	(0)	(0)	(0)	(0)	(10)
Congestion						1 [3.0]
Inflammation, Chronic	2 [1.0]					2 [1.0]
Nose	(10)	(10)	(10)	(10)	(10)	(10)
Inflammation, Chronic Active	1 [1.0]			1 [1.0]	2 [1.0]	2 [1.0]
Nerve, Atrophy		1 [1.0]	1 [1.0]	3 [1.0]	2 [1.0]	3 [1.3]
Olfactory Epi, Atrophy		3 [1.0]	3 [1.0]	4 [1.0]	4 [1.0]	5 [2.0]
Olfactory Epi, Degeneration						1 [3.0]
Trachea	(10)	(0)	(0)	(0)	(0)	(10)
<b>SPECIAL SENSES SYSTEM</b>						
Eye	(10)	(0)	(0)	(0)	(0)	(10)
Harderian Gland	(10)	(0)	(0)	(0)	(0)	(10)
<b>URINARY SYSTEM</b>						
Kidney	(10)	(0)	(0)	(0)	(0)	(10)
Nephropathy	4 [1.0]					7 [1.0]
Urinary Bladder	(10)	(0)	(0)	(0)	(0)	(10)

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

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

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Lab: BAT

F 344/N Rat FEMALE	0 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG	600 MG/KG
<b>Disposition Summary</b>						
<b>Animals Initially In Study</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>
<b>Early Deaths</b>						
<b>Dosing Accident</b>		<b>1</b>				
<b>Moribund Sacrifice</b>			<b>1</b>			
<b>Survivors</b>						
<b>Terminal Sacrifice</b>	<b>10</b>	<b>9</b>	<b>9</b>	<b>10</b>	<b>10</b>	<b>10</b>
<b>Animals Examined Microscopically</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>
<b>ALIMENTARY SYSTEM</b>						
Esophagus	(10)	(1)	(1)	(0)	(0)	(10)
Inflammation, Chronic						1 [1.0]
Intestine Large, Cecum	(10)	(1)	(1)	(0)	(0)	(10)
Intestine Large, Colon	(10)	(1)	(1)	(0)	(0)	(10)
Intestine Large, Rectum	(10)	(1)	(1)	(0)	(0)	(10)
Intestine Small, Duodenum	(10)	(1)	(1)	(0)	(0)	(10)
Intestine Small, Ileum	(10)	(1)	(1)	(0)	(0)	(10)
Intestine Small, Jejunum	(10)	(1)	(1)	(0)	(0)	(10)
Liver	(10)	(10)	(10)	(10)	(10)	(10)
Hepatodiaphragmatic Nodule	2	1	1		1	
Periportal, Cytoplasmic Alteration					10 [1.0]	10 [1.4]
Mesentery	(1)	(0)	(0)	(0)	(1)	(0)
Fat, Necrosis	1 [1.0]				1 [3.0]	
Pancreas	(10)	(1)	(1)	(0)	(0)	(10)
Acinus, Atrophy			1 [1.0]			
Salivary Glands	(5)	(1)	(1)	(0)	(0)	(6)
Stomach, Forestomach	(10)	(1)	(1)	(0)	(0)	(10)
Stomach, Glandular	(10)	(1)	(1)	(0)	(0)	(10)
Tooth	(1)	(0)	(0)	(0)	(0)	(0)

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F 344/N Rat FEMALE	0 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG	600 MG/KG
Inflammation, Suppurative	1 [3.0]					
<b>CARDIOVASCULAR SYSTEM</b>						
Blood Vessel	(10)	(1)	(1)	(0)	(0)	(10)
Heart	(10)	(1)	(1)	(0)	(0)	(10)
Cardiomyopathy	10 [1.0]					10 [1.0]
<b>ENDOCRINE SYSTEM</b>						
Adrenal Cortex	(10)	(1)	(1)	(0)	(0)	(10)
Adrenal Medulla	(10)	(1)	(1)	(0)	(0)	(10)
Islets, Pancreatic	(10)	(1)	(1)	(0)	(0)	(10)
Parathyroid Gland	(6)	(1)	(1)	(0)	(0)	(6)
Cyst	1 [1.0]					
Pituitary Gland	(10)	(1)	(1)	(0)	(0)	(10)
Thyroid Gland	(10)	(1)	(1)	(0)	(0)	(10)
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						
Clitoral Gland	(10)	(1)	(1)	(0)	(0)	(10)
Cyst						1 [1.0]
Ovary	(10)	(2)	(1)	(0)	(0)	(10)
Cyst		1 [3.0]				
Uterus	(10)	(1)	(1)	(0)	(0)	(10)
Endometrium, Hyperplasia, Cystic						1 [4.0]
<b>HEMATOPOIETIC SYSTEM</b>						
Bone Marrow	(10)	(1)	(1)	(0)	(0)	(10)
Lymph Node	(3)	(4)	(4)	(4)	(4)	(3)
Deep Cervical, Hyperplasia, Lymphoid	3 [2.0]	3 [2.3]	2 [2.5]	4 [2.8]	1 [2.0]	3 [2.3]
Mediastinal, Hyperplasia, Lymphoid			2 [3.0]		2 [3.0]	

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F 344/N Rat FEMALE	0 MG/KG	37.5 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG	600 MG/KG
Pancreatic, Hyperplasia, Lymphoid		1 [2.0]			1 [3.0]	
Pancreatic, Infiltration Cellular, Histiocyte					1 [3.0]	
Lymph Node, Mesenteric	(10)	(1)	(1)	(0)	(0)	(10)
Spleen	(10)	(1)	(1)	(0)	(0)	(10)
Atrophy		1 [3.0]				
Thymus	(10)	(1)	(1)	(0)	(0)	(10)
<b>INTEGUMENTARY SYSTEM</b>						
Mammary Gland	(10)	(1)	(1)	(0)	(0)	(10)
Skin	(10)	(1)	(1)	(0)	(0)	(10)
<b>MUSCULOSKELETAL SYSTEM</b>						
Bone	(10)	(1)	(1)	(0)	(0)	(10)
Skeletal Muscle	(0)	(0)	(1)	(0)	(0)	(0)
<b>NERVOUS SYSTEM</b>						
Brain	(10)	(1)	(1)	(0)	(0)	(10)
Spinal Cord	(0)	(0)	(1)	(0)	(0)	(0)
<b>RESPIRATORY SYSTEM</b>						
Lung	(10)	(1)	(1)	(0)	(0)	(10)
Inflammation, Chronic	3 [1.0]					5 [1.0]
Nose	(10)	(10)	(10)	(10)	(10)	(10)
Inflammation, Chronic Active	1 [1.0]					
Nerve, Atrophy				2 [1.0]	2 [1.0]	5 [1.0]
Olfactory Epi, Atrophy		1 [1.0]	2 [1.0]	2 [1.0]	5 [1.0]	6 [1.0]
Trachea	(10)	(1)	(1)	(0)	(0)	(10)
Inflammation, Chronic		1 [2.0]				
<b>SPECIAL SENSES SYSTEM</b>						
Ear	(0)	(0)	(0)	(0)	(0)	(1)
Eye	(10)	(1)	(1)	(0)	(0)	(10)

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<b>F 344/N Rat FEMALE</b>	<b>0 MG/KG</b>	<b>37.5 MG/KG</b>	<b>75 MG/KG</b>	<b>150 MG/KG</b>	<b>300 MG/KG</b>	<b>600 MG/KG</b>
Harderian Gland Pigmentation, Porphyrin	(10)	(1) 1 [3.0]	(1) 1 [3.0]	(0)	(0)	(10)
URINARY SYSTEM						
Kidney Nephropathy	(10)	(1)	(1)	(0)	(0)	(10) 1 [1.0]
Urinary Bladder	(10)	(1)	(1)	(0)	(0)	(10)

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

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