

**Experiment Number:** 96011-01

**Test Type:** 14-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

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

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

**Test Compound:** Cumene

**CAS Number:** 98-82-8

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 20:07:34

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

**Lab:** BNW

<b>C Number:</b>	C96011
<b>Lock Date:</b>	02/05/2001
<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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Lab: BNW

F 344/N Rat MALE	CONTROL	250 PPM	500 PPM	1000 PPM	2000 PPM	4000 PPM
<b>Disposition Summary</b>						
Animals Initially In Study	5	5	5	5	5	5
Early Deaths						
Natural Death					2	5
Survivors						
Terminal Sacrifice	5	5	5	5	3	
Animals Examined Microscopically	5	5	5	5	5	5
<b>ALIMENTARY SYSTEM</b>						
Liver	(5)	(0)	(0)	(5)	(5)	(5)
Congestion					3 (60%)	
Hemorrhage, Focal					1 (20%)	
Hepatodiaphragmatic Nodule				1 (20%)		
Stomach, Forestomach	(0)	(0)	(0)	(0)	(0)	(4)
Stomach, Glandular	(0)	(0)	(0)	(0)	(0)	(4)
<b>CARDIOVASCULAR SYSTEM</b>						
None						
<b>ENDOCRINE SYSTEM</b>						
None						
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						
None						
<b>HEMATOPOIETIC SYSTEM</b>						
None						
<b>INTEGUMENTARY SYSTEM</b>						
None						

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

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F 344/N Rat MALE	CONTROL	250 PPM	500 PPM	1000 PPM	2000 PPM	4000 PPM
<b>MUSCULOSKELETAL SYSTEM</b>						
None						
<b>NERVOUS SYSTEM</b>						
None						
<b>RESPIRATORY SYSTEM</b>						
Larynx	(0)	(1)	(0)	(0)	(0)	(0)
Lung	(5)	(1)	(0)	(5)	(5)	(5)
Alveolus, Edema						2 (40%)
Alveolus, Hemorrhage		1 (100%)				
Alveolus, Infiltration Cellular, Histiocyte	1 (20%)					
Alveolus, Inflammation, Suppurative					2 (40%)	2 (40%)
Nose	(5)	(0)	(0)	(0)	(5)	(5)
<b>SPECIAL SENSES SYSTEM</b>						
None						
<b>URINARY SYSTEM</b>						
Kidney	(5)	(5)	(5)	(5)	(5)	(5)
Cortex, Renal Tubule, Accumulation, Hyaline Droplet		3 (60%)	2 (40%)	3 (60%)	1 (20%)	
Hemorrhage, Focal					1 (20%)	
Urinary Bladder	(0)	(0)	(0)	(0)	(1)	(0)
Muscularis, Hemorrhage					1 (100%)	

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

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<b>Disposition Summary</b>						
Animals Initially In Study	5	5	5	5	5	5
Early Deaths						
Natural Death					3	5
Survivors						
Terminal Sacrifice	5	5	5	5	2	
Animals Examined Microscopically	5			5	5	5
<b>ALIMENTARY SYSTEM</b>						
Esophagus	(0)	(0)	(0)	(0)	(1)	(0)
Liver	(5)	(0)	(0)	(0)	(5)	(5)
Hepatodiaphragmatic Nodule	1 (20%)				1 (20%)	
Stomach, Forestomach	(0)	(0)	(0)	(0)	(0)	(3)
Stomach, Glandular	(0)	(0)	(0)	(0)	(0)	(3)
<b>CARDIOVASCULAR SYSTEM</b>						
None						
<b>ENDOCRINE SYSTEM</b>						
None						
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						
None						
<b>HEMATOPOIETIC SYSTEM</b>						
None						
<b>INTEGUMENTARY SYSTEM</b>						
None						
<b>MUSCULOSKELETAL SYSTEM</b>						

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F 344/N Rat FEMALE	CONTROL	250 PPM	500 PPM	1000 PPM	2000 PPM	4000 PPM
None						
NERVOUS SYSTEM						
None						
RESPIRATORY SYSTEM						
Larynx	(0)	(0)	(0)	(0)	(1)	(1)
Lung	(5)	(0)	(0)	(5)	(5)	(5)
Alveolus, Inflammation, Suppurative					2 (40%)	
Hemorrhage				1 (20%)	1 (20%)	
Infiltration Cellular, Histiocyte					1 (20%)	
Nose	(5)	(0)	(0)	(0)	(5)	(5)
Inflammation, Suppurative					1 (20%)	
Pleura	(0)	(0)	(0)	(0)	(0)	(1)
Inflammation, Acute						1 (100%)
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						
Kidney	(5)	(0)	(0)	(0)	(5)	(5)
Capsule, Hemorrhage					1 (20%)	
Renal Tubule, Degeneration					1 (20%)	
Urinary Bladder	(0)	(0)	(0)	(0)	(1)	(0)
Hemorrhage					1 (100%)	

\*\* END OF REPORT \*\*

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