

Experiment Number: 05032-01
Test Type: CHRONIC
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: D-Carvone
CAS Number: 2244-16-8

Date Report Requested: 10/22/2014
Time Report Requested: 02:49:14
First Dose M/F: NA / NA
Lab: IRDC

C Number:	C55867A
Lock Date:	Not Entered.
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	NONE

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F 344/N Rat MALE	VEHICLE CONTROL	187MG/KG	375MG/KG
Disposition Summary			
Animals Initially In Study	50	50	50
Early Deaths			
Dead	9	20	11
Moribund	9	19	39
Survivors			
Terminal Sacrifice	32	11	
Animals Examined Microscopically			
ALIMENTARY SYSTEM			
None			
CARDIOVASCULAR SYSTEM			
None			
ENDOCRINE SYSTEM			
None			
GENERAL BODY SYSTEM			
None			
GENITAL SYSTEM			
None			
HEMATOPOIETIC SYSTEM			
None			
INTEGUMENTARY SYSTEM			
None			
MUSCULOSKELETAL SYSTEM			
None			
NERVOUS SYSTEM			

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	VEHICLE CONTROL	187MG/KG	375MG/KG
None			
RESPIRATORY SYSTEM			
None			
SPECIAL SENSES SYSTEM			
None			
URINARY SYSTEM			
None			

END OF MALE DATA

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

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F 344/N Rat FEMALE	VEHICLE CONTROL	187MG/KG	375MG/KG
Disposition Summary			
Animals Initially In Study	50	50	50
Early Deaths			
Accident	1		
Dead	1	8	7
Moribund	7	14	36
Survivors			
Terminal Sacrifice	41	28	7
Animals Examined Microscopically	14		
ALIMENTARY SYSTEM			
Esophagus	(14)	(0)	(0)
Intestine Large, Cecum	(14)	(0)	(0)
Intestine Large, Colon	(14)	(0)	(0)
Parasite Metazoan	2 [2.0]		
Intestine Large, Rectum	(9)	(0)	(0)
Inflammation, Acute	1 [2.0]		
Parasite Metazoan	1 [2.0]		
Intestine Small, Duodenum	(14)	(0)	(0)
Intestine Small, Ileum	(14)	(0)	(0)
Intestine Small, Jejunum	(14)	(0)	(0)
Liver	(14)	(0)	(0)
Basophilic Focus, Multiple	12 [2.1]		
Basophilic Focus, Single	2 [1.5]		
Bile Duct, Hyperplasia, Multifocal	1 [2.0]		
Fatty Change, Multifocal	1 [2.0]		
Inflammation, Multifocal, Chronic	10 [1.7]		
Necrosis, Focal	1 [2.0]		
Pancreas	(14)	(0)	(0)

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Inflammation, Chronic	5 [1.6]		
Salivary Glands	(14)	(0)	(0)
Submandibul GI, Inflammation, Subacute	1 [2.0]		
Stomach, Forestomach	(14)	(0)	(0)
Acanthosis	3 [2.0]		
Stomach, Glandular	(14)	(0)	(0)
CARDIOVASCULAR SYSTEM			
Blood Vessel	(10)	(0)	(0)
Heart	(14)	(0)	(0)
Cardiomyopathy	11 [1.9]		
ENDOCRINE SYSTEM			
Adrenal Gland, Cortex	(14)	(0)	(0)
Hyperplasia, Focal	1 [2.0]		
Hypertrophy, Focal	1 [2.0]		
Vacuolization Cytoplasmic, Focal	6 [2.0]		
Adrenal Gland, Medulla	(13)	(0)	(0)
Islets, Pancreatic	(14)	(0)	(0)
Hyperplasia, Focal	2 [2.0]		
Parathyroid Gland	(13)	(0)	(0)
Pituitary Gland	(14)	(0)	(0)
Pars Distalis, Angiectasis	1 [4.0]		
Pars Distalis, Cyst	4 [2.0]		
Pars Distalis, Hyperplasia, Focal	1 [1.0]		
Thyroid Gland	(14)	(0)	(0)
C Cell, Hyperplasia, Focal	1 [2.0]		
C Cell, Hyperplasia, Multifocal	2 [1.5]		
GENERAL BODY SYSTEM			
None			

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GENITAL SYSTEM			
Clitoral Gland	(13)	(0)	(0)
Inflammation, Chronic	8 [2.1]		
Inflammation, Chronic Active	1 [3.0]		
Ovary	(14)	(0)	(0)
Bilateral, Infiltration Cellular, Lymphocyte, Diffuse	1 [3.0]		
Uterus	(14)	(0)	(0)
Lumen, Dilatation	2 [3.0]		
HEMATOPOIETIC SYSTEM			
Bone Marrow	(13)	(0)	(0)
Hyperplasia, Megakaryocyte	1 [2.0]		
Hyperplasia, Reticulum Cell, Focal	2 [1.0]		
Hyperplasia, Reticulum Cell, Multifocal	4 [2.0]		
Lymph Node	(1)	(0)	(0)
Lymph Node, Mesenteric	(13)	(0)	(0)
Depletion Lymphoid	1 [2.0]		
Edema	5 [1.8]		
Hemorrhage	1 [3.0]		
Spleen	(14)	(0)	(0)
Hematopoietic Cell Proliferation	11 [2.2]		
Thymus	(12)	(0)	(0)
INTEGUMENTARY SYSTEM			
Mammary Gland	(14)	(0)	(0)
Acinus, Hyperplasia	2 [2.0]		
Galactocele	10 [2.5]		
Skin	(14)	(0)	(0)
Tail, Inflammation, Chronic	1 [3.0]		

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MUSCULOSKELETAL SYSTEM			
Bone	(13)	(0)	(0)
Femur, Osteopetrosis	2 [2.0]		
NERVOUS SYSTEM			
Brain	(14)	(0)	(0)
Compression, Focal	1 [2.0]		
Peripheral Nerve	(13)	(0)	(0)
RESPIRATORY SYSTEM			
Lung	(14)	(0)	(0)
Hemorrhage, Multifocal	1 [2.0]		
Interstitial, Inflammation, Multifocal, Subacute	4 [1.3]		
Interstitial, Inflammation, Subacute, Focal	2 [1.0]		
Nose	(14)	(0)	(0)
Hypertrophy	2 [2.5]		
Nasolacrim Dct, Inflammation, Chronic	1 [2.0]		
Nasolacrim Dct, Inflammation, Subacute	2 [2.0]		
Turbinate, Inflammation, Chronic	6 [2.2]		
Turbinate, Inflammation, Chronic Active	1 [3.0]		
Turbinate, Inflammation, Subacute	2 [2.0]		
Trachea	(14)	(0)	(0)
Inflammation, Acute	1 [2.0]		
Inflammation, Subacute	4 [1.8]		
SPECIAL SENSES SYSTEM			
Eye	(2)	(0)	(0)
Antr Chamber, Left, Hemorrhage	1 [3.0]		
Left, Cataract	1 [3.0]		
Left, Retina, Degeneration	1 [3.0]		

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Zymbal's Gland	(1)	(0)	(0)
<hr/>			
URINARY SYSTEM			
Kidney	(14)	(0)	(0)
Bilateral, Nephropathy, Chronic	14 [1.9]		
Epithelium, Pelvis, Hyperplasia	1 [3.0]		
Papilla, Mineralization	4 [1.8]		
Pelvis, Mineralization	1 [2.0]		
Urinary Bladder	(13)	(0)	(0)

**** END OF REPORT ****

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