

Experiment Number: 05032-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)

Test Compound: D-Carvone
CAS Number: 2244-16-8

Date Report Requested: 10/22/2014
Time Report Requested: 02:49:57
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

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

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

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F 344/N Rat MALE	VEHICLE CONTROL	187MG/KG	375MG/KG
NERVOUS SYSTEM			
None			
RESPIRATORY SYSTEM			
None			
SPECIAL SENSES SYSTEM			
None			
URINARY SYSTEM			
None			

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F 344/N Rat MALE

VEHICLE CONTROL

187MG/KG

375MG/KG

Tumor Summary for MALE

Total Animals with Primary Neoplasms (b)

Total Primary Neoplasms

Total Animals with Benign Neoplasms

Total Benign Neoplasms

Total Animals with Malignant Neoplasms

Total Malignant Neoplasms

Total Animals with Metastatic Neoplasms

Total Metastatic Neoplasms

**Total Animals with Malignant Neoplasms
Uncertain Primary Site**

**Total Animals with Neoplasms Uncertain -
Benign or Malignant**

Total Uncertain Neoplasms

END OF MALE DATA

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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)
Intestine Large, Rectum	(9)	(0)	(0)
Intestine Small, Duodenum	(14)	(0)	(0)
Intestine Small, Ileum	(14)	(0)	(0)
Intestine Small, Jejunum	(14)	(0)	(0)
Liver	(14)	(0)	(0)
Leukemia Mononuclear	2 (14%)		
Pancreas	(14)	(0)	(0)
Salivary Glands	(14)	(0)	(0)
Stomach, Forestomach	(14)	(0)	(0)
Stomach, Glandular	(14)	(0)	(0)
CARDIOVASCULAR SYSTEM			
Blood Vessel	(10)	(0)	(0)
Heart	(14)	(0)	(0)

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F 344/N Rat FEMALE	VEHICLE CONTROL	187MG/KG	375MG/KG
ENDOCRINE SYSTEM			
Adrenal Gland, Cortex	(14)	(0)	(0)
Adenoma	1 (7%)		
Adrenal Gland, Medulla	(13)	(0)	(0)
Pheochromocytoma Benign	1 (8%)		
Islets, Pancreatic	(14)	(0)	(0)
Parathyroid Gland	(13)	(0)	(0)
Pituitary Gland	(14)	(0)	(0)
Pars Distalis, Adenoma	7 (50%)		
Thyroid Gland	(14)	(0)	(0)
C Cell, Adenoma	3 (21%)		
Follicular Cel, Adenoma	1 (7%)		
GENERAL BODY SYSTEM			
None			
GENITAL SYSTEM			
Clitoral Gland	(13)	(0)	(0)
Adenoma	1 (8%)		
Ovary	(14)	(0)	(0)
Uterus	(14)	(0)	(0)
Polyp	1 (7%)		
HEMATOPOIETIC SYSTEM			
Bone Marrow	(13)	(0)	(0)
Lymph Node	(1)	(0)	(0)
Lymph Node, Mesenteric	(13)	(0)	(0)
Leukemia Mononuclear	1 (8%)		
Spleen	(14)	(0)	(0)
Leukemia Mononuclear	3 (21%)		

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F 344/N Rat FEMALE	VEHICLE CONTROL	187MG/KG	375MG/KG
Leukemia Mononuclear	3 (21%)		
Thymus	(12)	(0)	(0)
Leukemia Mononuclear	1 (8%)		
INTEGUMENTARY SYSTEM			
Mammary Gland	(14)	(0)	(0)
Adenocarcinoma	1 (7%)		
Adenoma	1 (7%)		
Fibroadenoma	6 (43%)		
Skin	(14)	(0)	(0)
MUSCULOSKELETAL SYSTEM			
Bone	(13)	(0)	(0)
NERVOUS SYSTEM			
Brain	(14)	(0)	(0)
Peripheral Nerve	(13)	(0)	(0)
RESPIRATORY SYSTEM			
Lung	(14)	(0)	(0)
Leukemia Mononuclear	1 (7%)		
Nose	(14)	(0)	(0)
Trachea	(14)	(0)	(0)
SPECIAL SENSES SYSTEM			
Eye	(2)	(0)	(0)
Zymbal's Gland	(1)	(0)	(0)
URINARY SYSTEM			
Kidney	(14)	(0)	(0)
Urinary Bladder	(13)	(0)	(0)

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<hr/>			
SYSTEMIC LESIONS			
Multiple Organ		*(14)	
Leukemia Mononuclear		3 (21%)	

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Tumor Summary for FEMALE			
Total Animals with Primary Neoplasms (b)	14		
Total Primary Neoplasms	26		
Total Animals with Benign Neoplasms	13		
Total Benign Neoplasms	22		
Total Animals with Malignant Neoplasms	4		
Total Malignant Neoplasms	4		
Total Animals with Metastatic Neoplasms			
Total Metastatic Neoplasms			
Total Animals with Malignant Neoplasms Uncertain Primary Site			
Total Animals with Neoplasms Uncertain - Benign or Malignant			
Total Uncertain Neoplasms			

**** END OF REPORT ****

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b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically