

TDMS No. 88105 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 09/28/2006
 Time Report Reqsted: 17:46:24
 First Dose M/F: 04/22/02 / 04/23/02
 Lab: BNW

DAY ON TEST		0	0	0	3	4	4	5	5	5	5	6	6	6	6	6	6	6	6	7	7	7	7	7	7
		2	2	3	3	7	9	4	4	9	9	0	0	1	2	2	3	3	5	9	3	3	3	3	3
		3	4	8	6	9	6	1	7	0	7	2	6	9	3	7	0	2	1	5	0	0	0	0	1
FISCHER 344 RATS FEMALE		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300 MG/KG		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID		3	3	3	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
		5	5	8	8	0	6	9	7	8	8	7	5	7	6	7	8	9	6	5	5	6	6	8	9
		5	1	8	3	0	2	9	5	9	0	1	2	2	5	6	5	7	0	6	8	3	4	4	5

females
(cont...)

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	A	+	A	A	+	+	+	+	+	A	A	+	+	A	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	A	+	+	A	+	+	+	+	+	A	A	+	+	A	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	A	+	+	A	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Mesentery																								
Schwannoma Malignant				+								+	+		+					+				
Oral Mucosa																								
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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		2	2	3	3	7	9	4	4	9	9	0	0	1	2	2	3	3	5	9	3	3	3	3	3
		3	4	8	6	9	6	1	7	0	7	2	6	9	3	7	0	2	1	5	0	0	0	0	1
FISCHER 344 RATS FEMALE		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300 MG/KG		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID		3	3	3	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
		5	5	8	8	0	6	9	7	8	8	7	5	7	6	7	8	9	6	5	5	6	6	8	9
		5	1	8	3	0	2	9	5	9	0	1	2	2	5	6	5	7	0	6	8	3	4	4	5

females
(cont...)

Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Glandular	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+

CARDIOVASCULAR SYSTEM

Blood Vessel																							
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Schwannoma Malignant, Metastatic, Mesentery	X																							

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+
Pheochromocytoma Benign													X									X		
Islets, Pancreatic	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	M
Pituitary Gland	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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		2	2	3	3	7	9	4	4	9	9	0	0	1	2	2	3	3	5	9	3	3	3	3	3
		3	4	8	6	9	6	1	7	0	7	2	6	9	3	7	0	2	1	5	0	0	0	0	1
FISCHER 344 RATS FEMALE		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300 MG/KG		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID		3	3	3	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
		5	5	8	8	0	6	9	7	8	8	7	5	7	6	7	8	9	6	5	5	6	6	8	9
		5	1	8	3	0	2	9	5	9	0	1	2	2	5	6	5	7	0	6	8	3	4	4	5

females
(cont...)

Pars Distalis, Adenoma																									
							X					X		X	X	X	X	X		X		X	X		X
Thyroid Gland	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+
Bilateral, C-cell, Adenoma																				X					
C-cell, Adenoma										X															X
C-cell, Carcinoma																									

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																							X		X
Carcinoma																									
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Granulosa-Theca Tumor Malignant										X															
Schwannoma Malignant, Metastatic, Mesentery														X											
Oviduct																									
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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		2	2	3	3	7	9	4	4	9	9	0	0	1	2	2	3	3	5	9	3	3	3	3	3
		3	4	8	6	9	6	1	7	0	7	2	6	9	3	7	0	2	1	5	0	0	0	0	1
FISCHER 344 RATS FEMALE		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300 MG/KG		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID		3	3	3	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
		5	5	8	8	0	6	9	7	8	8	7	5	7	6	7	8	9	6	5	5	6	6	8	9
		5	1	8	3	0	2	9	5	9	0	1	2	2	5	6	5	7	0	6	8	3	4	4	5

females
(cont...)

Polyp Stromal

X

X

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node										+														+
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
Lymph Node, Mesenteric	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Schwannoma Malignant, Metastatic, Mesentery																								X
Spleen	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Thymus	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma																								X
Fibroadenoma																								X
Fibroadenoma, Multiple																								X

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		2	2	3	3	7	9	4	4	9	9	0	0	1	2	2	3	3	5	9	3	3	3	3	3
		3	4	8	6	9	6	1	7	0	7	2	6	9	3	7	0	2	1	5	0	0	0	0	1
FISCHER 344 RATS FEMALE 300 MG/KG	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		3	3	3	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
		5	5	8	8	0	6	9	7	8	8	7	5	7	6	7	8	9	6	5	5	6	6	8	9
	5	1	8	3	0	2	9	5	9	0	1	2	2	5	6	5	7	0	6	8	3	4	4	5	

females
(cont...)

Skin +
 Squamous Cell Carcinoma X

MUSCULOSKELETAL SYSTEM

Bone +

NERVOUS SYSTEM

Brain +
 Granular Cell Tumor Malignant

Peripheral Nerve

RESPIRATORY SYSTEM

Lung +
 Alveolar/Bronchiolar Adenoma X

Granulosa-Theca Tumor Malignant, Metastatic, Ovary X

Schwannoma Malignant, Metastatic, Mesentery X

Nose + + A +

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		2	2	3	3	7	9	4	4	9	9	0	0	1	2	2	3	3	5	9	3	3	3	3	3
		3	4	8	6	9	6	1	7	0	7	2	6	9	3	7	0	2	1	5	0	0	0	0	1
FISCHER 344 RATS FEMALE		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300 MG/KG		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID		3	3	3	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
		5	5	8	8	0	6	9	7	8	8	7	5	7	6	7	8	9	6	5	5	6	6	8	9
		5	1	8	3	0	2	9	5	9	0	1	2	2	5	6	5	7	0	6	8	3	4	4	5

females
(cont...)

Pleura																								
	+																								
Trachea	+ + A +																								

SPECIAL SENSES SYSTEM

Ear																								
Eye	+ + A + + + + + + + + + + + + + + + A + + + + + + + + + + +																								
Harderian Gland	+ + A + + + + + + + + + + + + + + + A + + + + + + + + + + +																								
Zymbal's Gland																								
Carcinoma	+ X																								

URINARY SYSTEM

Kidney	+ +																								
Urinary Bladder	+ + A +																								
Leiomyoma																								

SYSTEMIC LESIONS

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		2	2	3	3	7	9	4	4	9	9	0	0	1	2	2	3	3	5	9	3	3	3	3	3	3
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FISCHER 344 RATS FEMALE ANIMAL ID	300 MG/KG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		3	3	3	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
		5	5	8	8	0	6	9	7	8	8	7	5	7	6	7	8	9	6	5	5	6	6	8	9	5
	5	1	8	3	0	2	9	5	9	0	1	2	2	5	6	5	7	0	6	8	3	4	4	5	4	

females
(cont...)

Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma							X																		
Leukemia Mononuclear																	X							X	

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		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
		1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
FISCHER 344 RATS FEMALE	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
	300 MG/KG	6	7	7	7	8	9	9	9	9	5	5	5	6	6	6	6	7	7	7	8	8	8	9	9
	1	3	8	9	1	1	2	3	6	3	7	9	6	7	8	9	0	4	7	2	6	7	0	4	8
* TOTALS																									

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	44
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Mesentery		+	+	+		+							+	+				+			+				14
Schwannoma Malignant																									1
Oral Mucosa																									1
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

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TDMS No. 88105 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 09/28/2006
 Time Report Reqsted: 17:46:24
 First Dose M/F: 04/22/02 / 04/23/02
 Lab: BNW

DAY ON TEST		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
		1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
FISCHER 344 RATS FEMALE 300 MG/KG	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
		6	7	7	7	8	9	9	9	9	5	5	5	6	6	6	6	7	7	7	8	8	8	
	1	3	8	9	1	1	2	3	6	3	7	9	6	7	8	9	0	4	7	2	6	7	0	
		* TOTALS																						

Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47

CARDIOVASCULAR SYSTEM

Blood Vessel																									1
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Schwannoma Malignant, Metastatic, Mesentery																									1

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Pheochromocytoma Benign																									2
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Parathyroid Gland	+	+	M	+	+	+	+	+	M	+	+	M	M	+	+	+	+	+	+	+	+	+	+	+	44
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49

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		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
		1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
FISCHER 344 RATS FEMALE	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
	300 MG/KG	6	7	7	7	8	9	9	9	9	5	5	5	6	6	6	6	7	7	7	8	8	8	9	
	1	3	8	9	1	1	2	3	6	3	7	9	6	7	8	9	0	4	7	2	6	7	0		
																								* TOTALS	

Pleura																							1
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
																							49

SPECIAL SENSES SYSTEM

Ear																							1
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
																							48
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
																							48
Zymbal's Gland																							1
Carcinoma																							1

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
																							50
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
																							49
Leiomyoma																					X	1	

SYSTEMIC LESIONS

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		1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
FISCHER 344 RATS FEMALE ANIMAL ID		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	300 MG/KG	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
		6	7	7	7	8	9	9	9	9	5	5	5	6	6	6	6	7	7	7	8	8	8	9	9
	1	3	8	9	1	1	2	3	6	3	7	9	6	7	8	9	0	4	7	2	6	7	0	4	
																							* TOTALS		

Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Histiocytic Sarcoma																									1
Leukemia Mononuclear	X		X						X	X		X	X												8

*** END OF REPORT ***

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