

**Experiment Number:** 95003 - 01  
**Test Type:** 90-DAY  
**Route:** DOSED FEED  
**Species/Strain:** RATS/F 344/N

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

Methyl trans-styryl ketone  
**CAS Number:** 1896-62-4

**Date Report Requested:** 08/30/2016  
**Time Report Requested:** 14:33:52  
**First Dose M/F:** 12/17/01 / 12/18/01  
**Lab:** MBA

**NTP Study Number:** C95003B  
**Lock Date:** 01/08/2003  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 3.0.2.3\_002  
**PWG Approval Date:** NONE

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Route: DOSED FEED

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Lab: MBA

FISCHER 344 RATS MALE

VEHICLE CONTROL

0.025%

0.05%

0.1%

0.2%

0.4%

Disposition Summary

Animals Initially In Study	10	10	10	10	10	10
Scheduled Sacrifice						
Early Deaths						
Accidentally Killed						
Survivors						
Terminal Sacrifice	10	10	10	10	10	10
Animals Examined Microscopically	10	10	10	10	10	10

ALIMENTARY SYSTEM

Esophagus	(10)	(0)	(0)	(0)	(0)	(10)
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)	(0)	(0)	(0)	(0)	(10)
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
Salivary Glands	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Forestomach	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Glandular	(10)	(10)	(10)	(10)	(10)	(10)
Tongue	(10)	(0)	(0)	(0)	(0)	(10)

CARDIOVASCULAR SYSTEM

Blood Vessel	(10)	(0)	(0)	(0)	(0)	(10)
Heart	(10)	(0)	(0)	(0)	(0)	(10)

ENDOCRINE SYSTEM

Adrenal Cortex	(10)	(0)	(0)	(0)	(0)	(10)
Adrenal Medulla	(10)	(0)	(0)	(0)	(0)	(10)

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

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FISCHER 344 RATS MALE	VEHICLE CONTROL	0.025%	0.05%	0.1%	0.2%	0.4%
Islets, Pancreatic	(10)	(0)	(0)	(0)	(0)	(10)
Parathyroid Gland	(7)	(0)	(0)	(0)	(0)	(9)
Pituitary Gland	(10)	(0)	(0)	(0)	(0)	(10)
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)

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GENERAL BODY SYSTEM

None

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GENITAL SYSTEM

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)

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HEMATOPOIETIC SYSTEM

Bone Marrow	(10)	(0)	(0)	(0)	(0)	(10)
Lymph Node	(0)	(0)	(3)	(1)	(0)	(0)
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(0)	(10)
Spleen	(10)	(0)	(0)	(0)	(0)	(10)
Thymus	(10)	(0)	(0)	(0)	(0)	(10)

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INTEGUMENTARY SYSTEM

Skin	(10)	(0)	(0)	(0)	(0)	(10)
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MUSCULOSKELETAL SYSTEM

Bone	(10)	(0)	(0)	(0)	(0)	(10)
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a - Number of animals examined microscopically at site and number of animals with lesion

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FISCHER 344 RATS MALE	VEHICLE CONTROL	0.025%	0.05%	0.1%	0.2%	0.4%
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NERVOUS SYSTEM						
Brain	(10)	(0)	(0)	(0)	(0)	(10)

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RESPIRATORY SYSTEM						
Lung	(10)	(0)	(0)	(0)	(0)	(10)
Nose	(10)	(10)	(10)	(10)	(10)	(10)
Trachea	(10)	(0)	(0)	(0)	(0)	(10)

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SPECIAL SENSES SYSTEM						
Eye	(10)	(0)	(0)	(0)	(0)	(10)
Harderian Gland	(10)	(0)	(0)	(0)	(0)	(10)

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URINARY SYSTEM						
Kidney	(10)	(10)	(10)	(10)	(10)	(10)
Urinary Bladder	(10)	(0)	(0)	(0)	(0)	(10)

---

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

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FISCHER 344 RATS MALE

CONTROL SPECIAL

0.025% SPECIAL

0.05% SPECIAL

0.1% SPECIAL

0.2% SPECIAL

0.4% SPECIAL

Disposition Summary

Animals Initially In Study	10	10	10	10	10	10
Scheduled Sacrifice	10	8	10	9	10	10
Early Deaths						
Accidentally Killed		2		1		
Survivors						
Terminal Sacrifice						
Animals Examined Microscopically						

ALIMENTARY SYSTEM

Esophagus	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Large, Cecum	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Large, Colon	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Large, Rectum	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Small, Duodenum	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Small, Ileum	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Small, Jejunum	(0)	(0)	(0)	(0)	(0)	(0)
Liver	(0)	(0)	(0)	(0)	(0)	(0)
Pancreas	(0)	(0)	(0)	(0)	(0)	(0)
Salivary Glands	(0)	(0)	(0)	(0)	(0)	(0)
Stomach, Forestomach	(0)	(0)	(0)	(0)	(0)	(0)
Stomach, Glandular	(0)	(0)	(0)	(0)	(0)	(0)
Tongue	(0)	(0)	(0)	(0)	(0)	(0)

CARDIOVASCULAR SYSTEM

Blood Vessel	(0)	(0)	(0)	(0)	(0)	(0)
Heart	(0)	(0)	(0)	(0)	(0)	(0)

ENDOCRINE SYSTEM

Adrenal Cortex	(0)	(0)	(0)	(0)	(0)	(0)
Adrenal Medulla	(0)	(0)	(0)	(0)	(0)	(0)

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FISCHER 344 RATS MALE	CONTROL SPECIAL	0.025% SPECIAL	0.05% SPECIAL	0.1% SPECIAL	0.2% SPECIAL	0.4% SPECIAL
Islets, Pancreatic	(0)	(0)	(0)	(0)	(0)	(0)
Parathyroid Gland	(0)	(0)	(0)	(0)	(0)	(0)
Pituitary Gland	(0)	(0)	(0)	(0)	(0)	(0)
Thyroid Gland	(0)	(0)	(0)	(0)	(0)	(0)

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GENERAL BODY SYSTEM

None

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GENITAL SYSTEM

Epididymis	(0)	(0)	(0)	(0)	(0)	(0)
Preputial Gland	(0)	(0)	(0)	(0)	(0)	(0)
Prostate	(0)	(0)	(0)	(0)	(0)	(0)
Seminal Vesicle	(0)	(0)	(0)	(0)	(0)	(0)
Testes	(0)	(0)	(0)	(0)	(0)	(0)

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HEMATOPOIETIC SYSTEM

Bone Marrow	(0)	(0)	(0)	(0)	(0)	(0)
Lymph Node	(0)	(0)	(0)	(0)	(0)	(0)
Lymph Node, Mesenteric	(0)	(0)	(0)	(0)	(0)	(0)
Spleen	(0)	(0)	(0)	(0)	(0)	(0)
Thymus	(0)	(0)	(0)	(0)	(0)	(0)

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INTEGUMENTARY SYSTEM

Skin	(0)	(0)	(0)	(0)	(0)	(0)
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MUSCULOSKELETAL SYSTEM

Bone	(0)	(0)	(0)	(0)	(0)	(0)
------	-----	-----	-----	-----	-----	-----

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

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FISCHER 344 RATS MALE	CONTROL SPECIAL	0.025% SPECIAL	0.05% SPECIAL	0.1% SPECIAL	0.2% SPECIAL	0.4% SPECIAL
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NERVOUS SYSTEM						
Brain	(0)	(0)	(0)	(0)	(0)	(0)

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RESPIRATORY SYSTEM						
Lung	(0)	(0)	(0)	(0)	(0)	(0)
Nose	(0)	(0)	(0)	(0)	(0)	(0)
Trachea	(0)	(0)	(0)	(0)	(0)	(0)

---

SPECIAL SENSES SYSTEM						
Eye	(0)	(0)	(0)	(0)	(0)	(0)
Harderian Gland	(0)	(0)	(0)	(0)	(0)	(0)

---

URINARY SYSTEM						
Kidney	(0)	(0)	(0)	(0)	(0)	(0)
Urinary Bladder	(0)	(0)	(0)	(0)	(0)	(0)

---

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

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FISCHER 344 RATS MALE

VEHICLE CONTROL

0.025%

0.05%

0.1%

0.2%

0.4%

---

## Tumor Summary for Males

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

---

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

b - Primary tumors: all tumors except metastatic tumors



Experiment Number: 95003 - 01

Test Type: 90-DAY

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Species/Strain: RATS/F 344/N

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

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FISCHER 344 RATS MALE

CONTROL SPECIAL

0.025% SPECIAL

0.05% SPECIAL

0.1% SPECIAL

0.2% SPECIAL

0.4% SPECIAL

---

## Tumor Summary for Males

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

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

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

b - Primary tumors: all tumors except metastatic tumors

Experiment Number: 95003 - 01

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: RATS/F 344/N

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Lab: MBA

FISCHER 344 RATS FEMALE

VEHICLE CONTROL

0.025%

0.05%

0.1%

0.2%

0.4%

Disposition Summary

Animals Initially In Study	10	10	10	10	10	10
Scheduled Sacrifice						
Early Deaths						
Accidentally Killed						
Survivors						
Terminal Sacrifice	10	10	10	10	10	10
Animals Examined Microscopically	10	10	10	10	10	10

ALIMENTARY SYSTEM

Esophagus	(10)	(0)	(0)	(0)	(0)	(10)
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)	(0)	(0)	(0)	(1)	(10)
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
Salivary Glands	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Forestomach	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Glandular	(10)	(10)	(10)	(10)	(10)	(10)
Tongue	(10)	(0)	(0)	(0)	(0)	(10)

CARDIOVASCULAR SYSTEM

Blood Vessel	(10)	(0)	(0)	(0)	(0)	(10)
Heart	(10)	(0)	(0)	(0)	(0)	(10)

ENDOCRINE SYSTEM

Adrenal Cortex	(10)	(0)	(0)	(0)	(0)	(10)
Adrenal Medulla	(10)	(0)	(0)	(0)	(0)	(9)

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

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Route: DOSED FEED

Species/Strain: RATS/F 344/N

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Lab: MBA

FISCHER 344 RATS FEMALE	VEHICLE CONTROL	0.025%	0.05%	0.1%	0.2%	0.4%
Islets, Pancreatic	(10)	(0)	(0)	(0)	(0)	(10)
Parathyroid Gland	(8)	(0)	(0)	(0)	(0)	(4)
Pituitary Gland	(10)	(0)	(0)	(0)	(0)	(10)
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)
GENERAL BODY SYSTEM						
Tissue NOS	(0)	(0)	(0)	(0)	(0)	(1)
GENITAL SYSTEM						
Clitoral Gland	(10)	(0)	(0)	(0)	(0)	(10)
Ovary	(10)	(1)	(2)	(1)	(2)	(10)
Uterus	(10)	(0)	(0)	(0)	(0)	(10)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(0)	(0)	(0)	(0)	(10)
Lymph Node	(1)	(2)	(2)	(2)	(3)	(2)
Lymph Node, Mandibular	(2)	(0)	(0)	(0)	(0)	(0)
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(0)	(10)
Spleen	(10)	(0)	(0)	(0)	(0)	(10)
Thymus	(10)	(0)	(0)	(0)	(0)	(10)
INTEGUMENTARY SYSTEM						
Mammary Gland	(10)	(0)	(0)	(0)	(0)	(10)
Skin	(10)	(0)	(0)	(0)	(0)	(10)
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(0)	(0)	(0)	(0)	(10)

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FISCHER 344 RATS FEMALE	VEHICLE CONTROL	0.025%	0.05%	0.1%	0.2%	0.4%
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NERVOUS SYSTEM						
Brain	(10)	(0)	(0)	(0)	(0)	(10)

---

RESPIRATORY SYSTEM						
Lung	(10)	(0)	(0)	(0)	(0)	(10)
Nose	(10)	(10)	(10)	(10)	(10)	(10)
Trachea	(10)	(0)	(0)	(0)	(0)	(10)

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SPECIAL SENSES SYSTEM						
Eye	(10)	(0)	(0)	(0)	(0)	(10)
Harderian Gland	(10)	(0)	(0)	(0)	(0)	(10)

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URINARY SYSTEM						
Kidney	(10)	(10)	(10)	(10)	(10)	(10)
Urinary Bladder	(10)	(0)	(0)	(0)	(0)	(10)

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FISCHER 344 RATS FEMALE

CONTROL SPECIAL

0.025% SPECIAL

0.05% SPECIAL

0.1% SPECIAL

0.2% SPECIAL

0.4% SPECIAL

Disposition Summary

Animals Initially In Study	10	10	10	10	10	10
Scheduled Sacrifice	10	10	10	10	10	9
Early Deaths						
Accidentally Killed						1
Survivors						
Terminal Sacrifice						
Animals Examined Microscopically						

ALIMENTARY SYSTEM

Esophagus	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Large, Cecum	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Large, Colon	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Large, Rectum	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Small, Duodenum	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Small, Ileum	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Small, Jejunum	(0)	(0)	(0)	(0)	(0)	(0)
Liver	(0)	(0)	(0)	(0)	(0)	(0)
Pancreas	(0)	(0)	(0)	(0)	(0)	(0)
Salivary Glands	(0)	(0)	(0)	(0)	(0)	(0)
Stomach, Forestomach	(0)	(0)	(0)	(0)	(0)	(0)
Stomach, Glandular	(0)	(0)	(0)	(0)	(0)	(0)
Tongue	(0)	(0)	(0)	(0)	(0)	(0)

CARDIOVASCULAR SYSTEM

Blood Vessel	(0)	(0)	(0)	(0)	(0)	(0)
Heart	(0)	(0)	(0)	(0)	(0)	(0)

ENDOCRINE SYSTEM

Adrenal Cortex	(0)	(0)	(0)	(0)	(0)	(0)
Adrenal Medulla	(0)	(0)	(0)	(0)	(0)	(0)

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

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Species/Strain: RATS/F 344/N

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

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/30/2016

Time Report Requested: 14:33:52

First Dose M/F: 12/17/01 / 12/18/01

Lab: MBA

FISCHER 344 RATS FEMALE	CONTROL SPECIAL	0.025% SPECIAL	0.05% SPECIAL	0.1% SPECIAL	0.2% SPECIAL	0.4% SPECIAL
Islets, Pancreatic	(0)	(0)	(0)	(0)	(0)	(0)
Parathyroid Gland	(0)	(0)	(0)	(0)	(0)	(0)
Pituitary Gland	(0)	(0)	(0)	(0)	(0)	(0)
Thyroid Gland	(0)	(0)	(0)	(0)	(0)	(0)
GENERAL BODY SYSTEM						
Tissue NOS	(0)	(0)	(0)	(0)	(0)	(0)
GENITAL SYSTEM						
Clitoral Gland	(0)	(0)	(0)	(0)	(0)	(0)
Ovary	(0)	(0)	(0)	(0)	(0)	(0)
Uterus	(0)	(0)	(0)	(0)	(0)	(0)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(0)	(0)	(0)	(0)	(0)	(0)
Lymph Node	(0)	(0)	(0)	(0)	(0)	(0)
Lymph Node, Mandibular	(0)	(0)	(0)	(0)	(0)	(0)
Lymph Node, Mesenteric	(0)	(0)	(0)	(0)	(0)	(0)
Spleen	(0)	(0)	(0)	(0)	(0)	(0)
Thymus	(0)	(0)	(0)	(0)	(0)	(0)
INTEGUMENTARY SYSTEM						
Mammary Gland	(0)	(0)	(0)	(0)	(0)	(0)
Skin	(0)	(0)	(0)	(0)	(0)	(0)
MUSCULOSKELETAL SYSTEM						
Bone	(0)	(0)	(0)	(0)	(0)	(0)

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

Experiment Number: 95003 - 01

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: RATS/F 344/N

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FISCHER 344 RATS FEMALE	CONTROL SPECIAL	0.025% SPECIAL	0.05% SPECIAL	0.1% SPECIAL	0.2% SPECIAL	0.4% SPECIAL
<hr/>						
NERVOUS SYSTEM						
Brain	(0)	(0)	(0)	(0)	(0)	(0)
<hr/>						
RESPIRATORY SYSTEM						
Lung	(0)	(0)	(0)	(0)	(0)	(0)
Nose	(0)	(0)	(0)	(0)	(0)	(0)
Trachea	(0)	(0)	(0)	(0)	(0)	(0)
<hr/>						
SPECIAL SENSES SYSTEM						
Eye	(0)	(0)	(0)	(0)	(0)	(0)
Harderian Gland	(0)	(0)	(0)	(0)	(0)	(0)
<hr/>						
URINARY SYSTEM						
Kidney	(0)	(0)	(0)	(0)	(0)	(0)
Urinary Bladder	(0)	(0)	(0)	(0)	(0)	(0)

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FISCHER 344 RATS FEMALE

VEHICLE CONTROL

0.025%

0.05%

0.1%

0.2%

0.4%

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## Tumor Summary for Females

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

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

b - Primary tumors: all tumors except metastatic tumors



Experiment Number: 95003 - 01

Test Type: 90-DAY

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FISCHER 344 RATS FEMALE

CONTROL SPECIAL

0.025% SPECIAL

0.05% SPECIAL

0.1% SPECIAL

0.2% SPECIAL

0.4% SPECIAL

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## Tumor Summary for Females

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

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

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

b - Primary tumors: all tumors except metastatic tumors