

Version: Jun2013  
Contract/Lab: All Laboratories  
Species: RATS  
Strain: F 344/N  
Length of Study: CHRONIC

**Toxicology Data Management System**  
Tumor Incidence for Selected Control Animal Groups  
Route: SKIN  
Vehicle: ACETONE

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**Study Summary**

Laboratory Name	Study Number	Study Start Date	Length of Study in Days	Number of Animals Total and (#/Cage)	Number Surviving and (Mean Life Span)	Maximum Mean Weekly Body Weight	Chemical
<b>Male</b>							
Southern Research Institute	058813307	01/18/05	729	50(1)	23(681)	516.1	Trimethylolpropane triacrylate
<b>Female</b>							
Southern Research Institute	058813307	01/18/05	731	50(1)	27(688)	352.8	Trimethylolpropane triacrylate

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		Male			Female		
<b>#All Organs:</b>							
<b>Benign Tumors</b>							
		48/50 (96%)			43/50 (86%)		
<b>Overall Incidence</b>	Total	48/50 (96%)	Mean 96%	SD 0%	Total	43/50 (86%)	Mean 86% SD 0%
.....							
<b>#All Organs:</b>							
<b>Malignant Tumors</b>							
		30/50 (60%)			21/50 (42%)		
<b>Overall Incidence</b>	Total	30/50 (60%)	Mean 60%	SD 0%	Total	21/50 (42%)	Mean 42% SD 0%
.....							
<b>#All Organs:</b>							
<b>Malignant and Benign Tumors</b>							
		50/50 (100%)			47/50 (94%)		
<b>Overall Incidence</b>	Total	50/50 (100%)	Mean 100%	SD 0%	Total	47/50 (94%)	Mean 94% SD 0%
.....							
<b>#All Organs:</b>							
<b>Hemangioma</b>							
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>#All Organs:</b>							
<b>Hemangiosarcoma</b>							
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>#All Organs:</b>							
<b>Hemangiosarcoma or Hemangioma</b>							
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

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	Male				Female			
<b>#All Organs:</b>								
<b>Histiocytic Sarcoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>#All Organs:</b>								
<b>Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated</b>								
		26/50	(52%)			12/50	(24%)	
<b>Overall Incidence</b>	Total	26/50	(52%)	Mean 52%	SD 0%	Total	12/50	(24%)
.....								
<b>#All Organs:</b>								
<b>Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>#All Organs:</b>								
<b>Mesothelioma: Benign, Malignant, NOS</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>#All Organs:</b>								
<b>Mesothelioma: Malignant</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>#All Organs:</b>								
<b>Osteoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

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	Male				Female			
<b>#All Organs:</b>								
<b>Osteosarcoma</b>								
		2/50	(4%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	2/50	(4%)	Mean 4%	SD 0%	Total	0/50	(0%)
							Mean 0%	SD 0%
.....								
<b>#All Organs:</b>								
<b>Osteosarcoma or Osteoma</b>								
		2/50	(4%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	2/50	(4%)	Mean 4%	SD 0%	Total	0/50	(0%)
							Mean 0%	SD 0%
.....								
<b>*Adrenal Cortex:</b>								
<b>Adenoma</b>								
		1/50	(2%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50	(0%)
							Mean 0%	SD 0%
.....								
<b>*Adrenal Cortex:</b>								
<b>Carcinoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
							Mean 0%	SD 0%
.....								
<b>*Adrenal Medulla:</b>								
<b>Pheochromocytoma Benign</b>								
		11/49	(22%)			0/48	(0%)	
<b>Overall Incidence</b>	Total	11/49	(22.45%)	Mean 22.45%	SD 0%	Total	0/48	(0%)
							Mean 0%	SD 0%
.....								
<b>*Adrenal Medulla:</b>								
<b>Pheochromocytoma Complex</b>								
		0/49	(0%)			0/48	(0%)	
<b>Overall Incidence</b>	Total	0/49	(0%)	Mean 0%	SD 0%	Total	0/48	(0%)
							Mean 0%	SD 0%
.....								

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

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		Male			Female		
<b>*Adrenal Medulla:</b>							
<b>Pheochromocytoma Malignant</b>							
		1/49 (2%)			0/48 (0%)		
<b>Overall Incidence</b>	Total	1/49 (2.04%)	Mean 2.04%	SD 0%	Total	0/48 (0%)	Mean 0% SD 0%
.....							
<b>*Adrenal Medulla:</b>							
<b>Pheochromocytoma: Benign, Complex, Malignant, NOS</b>							
		12/49 (24%)			0/48 (0%)		
<b>Overall Incidence</b>	Total	12/49 (24.49%)	Mean 24.49%	SD 0%	Total	0/48 (0%)	Mean 0% SD 0%
.....							
<b>#Blood Vessel:</b>							
<b>Leiomyosarcoma</b>							
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>#Bone:</b>							
<b>Chordoma</b>							
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>#Bone:</b>							
<b>Osteoma</b>							
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>#Bone:</b>							
<b>Osteosarcoma</b>							
		2/50 (4%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	2/50 (4%)	Mean 4%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%

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 #: Denominator is number of animals necropsied

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		Male				Female			
<b>#Bone:</b>									
<b>Osteosarcoma or Osteoma</b>									
		2/50	(4%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	2/50	(4%)	Mean 4%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Brain:</b>									
<b>Glioma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Brain:</b>									
<b>Glioma Benign</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Brain:</b>									
<b>Glioma Malignant</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Brain:</b>									
<b>Oligodendroglioma, Glioma, or Astrocytoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Brain:</b>									
<b>Osteosarcoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

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		Male				Female			
<b>*Clitoral/Preputial Gland: Adenoma</b>									
<b>Overall Incidence</b>	Total	3/50 (6%)	Mean 6%	SD 0%	Total	4/50 (8%)	Mean 8%	SD 0%	
.....									
<b>*Clitoral/Preputial Gland: Carcinoma</b>									
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	7/50 (14%)	Mean 14%	SD 0%	
.....									
<b>*Clitoral/Preputial Gland: Carcinoma or Adenoma</b>									
<b>Overall Incidence</b>	Total	3/50 (6%)	Mean 6%	SD 0%	Total	10/50 (20%)	Mean 20%	SD 0%	
.....									
<b>*Clitoral/Preputial Gland: Sarcoma</b>									
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
.....									
<b>#Ear: Neural Crest Tumor</b>									
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
.....									
<b>#Eye: Melanoma Benign</b>									
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	

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		Male				Female			
<b>#Eye:</b>									
<b>Melanoma Malignant</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Harderian Gland:</b>									
<b>Adenoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Harderian Gland:</b>									
<b>Carcinoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Harderian Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Heart:</b>									
<b>Schwannoma Benign</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Heart:</b>									
<b>Schwannoma Malignant</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									

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Male					Female				
<b>#Intestine Large: Colon/Rectum: Adenoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Large: Colon/Rectum: Carcinoma or Adenoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Duodenum: Leiomyoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Duodenum: Schwannoma Malignant</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Ileum: Adenoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Intestine Small: Jejunum: Carcinoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%

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		Male			Female		
<b>#Intestine Small: Jejunum:</b>							
<b>Leiomyoma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							
<b>#Intestine Small: Jejunum:</b>							
<b>Leiomyosarcoma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							
<b>#Intestine Small: Site Unspecified:</b>							
<b>Adenoma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							
<b>#Intestine Small: Site Unspecified:</b>							
<b>Carcinoma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							
<b>#Intestine Small: Site Unspecified:</b>							
<b>Carcinoma or Adenoma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							
<b>#Intestine Small: Site Unspecified:</b>							
<b>Leiomyoma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

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		Male			Female		
<b>#Intestine Small: Site Unspecified:</b>							
<b>Leiomyosarcoma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
-----							
<b>#Intestine Small: Site Unspecified:</b>							
<b>Schwannoma Malignant</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
-----							
<b>*Islets, Pancreatic:</b>							
<b>Adenoma</b>							
		18/50	(36%)		3/50	(6%)	
<b>Overall Incidence</b>	Total	18/50	(36%)	Mean 36%	SD 0%	Total	3/50 (6%)
							Mean 6%
							SD 0%
-----							
<b>*Islets, Pancreatic:</b>							
<b>Carcinoma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
-----							
<b>*Islets, Pancreatic:</b>							
<b>Carcinoma or Adenoma</b>							
		18/50	(36%)		3/50	(6%)	
<b>Overall Incidence</b>	Total	18/50	(36%)	Mean 36%	SD 0%	Total	3/50 (6%)
							Mean 6%
							SD 0%
-----							
<b>*Kidney: Pelvis and Transitional Epithelium:</b>							
<b>Papilloma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

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		Male				Female			
<b>*Kidney: Renal Tubule: Adenoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Kidney: Renal Tubule: Carcinoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Kidney: Renal Tubule: Carcinoma or Adenoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Kidney: Renal Tubule: Lipoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Kidney: Renal Tubule: Mesenchymal Tumor Malignant</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>*Kidney: Renal Tubule: Sarcoma</b>									
		0/50	(0%)			1/50	(2%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	1/50	(2%)	Mean 2% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jun2013  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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	Male				Female			
<b>*Liver:</b>								
<b>Hepatocellular Adenoma</b>								
		1/50	(2%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50	(0%)
							Mean 0%	SD 0%
.....								
<b>*Liver:</b>								
<b>Hepatocellular Carcinoma</b>								
		1/50	(2%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50	(0%)
							Mean 0%	SD 0%
.....								
<b>*Liver:</b>								
<b>Hepatocellular Carcinoma or Hepatoblastoma</b>								
		1/50	(2%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50	(0%)
							Mean 0%	SD 0%
.....								
<b>*Liver:</b>								
<b>Hepatocellular Carcinoma or Hepatocellular Adenoma</b>								
		2/50	(4%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	2/50	(4%)	Mean 4%	SD 0%	Total	0/50	(0%)
							Mean 0%	SD 0%
.....								
<b>*Liver:</b>								
<b>Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma</b>								
		2/50	(4%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	2/50	(4%)	Mean 4%	SD 0%	Total	0/50	(0%)
							Mean 0%	SD 0%
.....								
<b>*Liver:</b>								
<b>Ito Cell Tumor Benign</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
							Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Jun2013  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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	Male				Female			
<b>*Lung:</b>								
<b>Alveolar/Bronchiolar Adenoma</b>								
		1/50	(2%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....								
<b>*Lung:</b>								
<b>Alveolar/Bronchiolar Carcinoma</b>								
		1/50	(2%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....								
<b>*Lung:</b>								
<b>Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma</b>								
		2/50	(4%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	2/50	(4%)	Mean 4%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....								
<b>*Lung:</b>								
<b>Fibrosarcoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....								
<b>#Mammary Gland:</b>								
<b>Adenolipoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....								
<b>#Mammary Gland:</b>								
<b>Adenoma</b>								
		0/50	(0%)			4/50	(8%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	4/50 (8%)	Mean 8% SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Jun2013  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male				Female			
<b>#Mammary Gland:</b>									
<b>Carcinoma</b>									
		0/50	(0%)			3/50	(6%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	3/50	(6%)	Mean 6%
									SD 0%
.....									
<b>#Mammary Gland:</b>									
<b>Carcinoma or Adenoma</b>									
		0/50	(0%)			6/50	(12%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	6/50	(12%)	Mean 12%
									SD 0%
.....									
<b>#Mammary Gland:</b>									
<b>Fibroadenoma</b>									
		1/50	(2%)			22/50	(44%)		
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	22/50	(44%)	Mean 44%
									SD 0%
.....									
<b>#Mammary Gland:</b>									
<b>Fibroma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0%
									SD 0%
.....									
<b>#Mammary Gland:</b>									
<b>Fibroma, Fibroadenoma or Adenoma</b>									
		1/50	(2%)			25/50	(50%)		
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	25/50	(50%)	Mean 50%
									SD 0%
.....									
<b>#Mammary Gland:</b>									
<b>Fibroma, Fibroadenoma, Carcinoma, or Adenoma</b>									
		1/50	(2%)			25/50	(50%)		
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	25/50	(50%)	Mean 50%
									SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Jun2013  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male			Female		
<b>#Mesentery:</b>							
<b>Fibrous Histiocytoma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
<b>#Mesentery:</b>							
<b>Schwannoma Malignant</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
<b>*Nose:</b>							
<b>Adenoma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>							
<b>Papilloma Squamous or Papilloma</b>							
		1/50	(2%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>							
<b>Squamous Cell Carcinoma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
<b>#Oral Cavity (Oral Mucosa, Tongue, Pharynx, Tooth, Gingiva):</b>							
<b>Squamous Cell Carcinoma, Papilloma Squamous, or Papilloma</b>							
		1/50	(2%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jun2013  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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	Male				Female			
<b>#Oral Mucosa:</b>								
<b>Squamous Cell Carcinoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>#Oral Mucosa:</b>								
<b>Squamous Cell Papilloma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>*Ovary:</b>								
<b>Cystadenoma</b>								
						0/50	(0%)	
<b>Overall Incidence</b>						Total	0/50	(0%)
.....								
<b>*Ovary:</b>								
<b>Fibrosarcoma</b>								
						0/50	(0%)	
<b>Overall Incidence</b>						Total	0/50	(0%)
.....								
<b>*Ovary:</b>								
<b>Granulosa Cell Tumor Benign</b>								
						0/50	(0%)	
<b>Overall Incidence</b>						Total	0/50	(0%)
.....								
<b>*Ovary:</b>								
<b>Granulosa Cell Tumor Malignant</b>								
						1/50	(2%)	
<b>Overall Incidence</b>						Total	1/50	(2%)
.....								

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Jun2013  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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Male					Female									
<b>*Ovary:</b>														
Granulosa Cell Tumor: Benign, Malignant, NOS														
					1/50	(2%)								
Overall Incidence	Total				1/50	(2%)	Mean	2%	SD	0%				
.....														
<b>*Ovary:</b>														
Granulosa-Theca Tumor Malignant														
					0/50	(0%)								
Overall Incidence	Total				0/50	(0%)	Mean	0%	SD	0%				
.....														
<b>*Ovary:</b>														
Schwannoma Malignant														
					0/50	(0%)								
Overall Incidence	Total				0/50	(0%)	Mean	0%	SD	0%				
.....														
<b>*Ovary:</b>														
Sertoli Cell Tumor Malignant														
					0/50	(0%)								
Overall Incidence	Total				0/50	(0%)	Mean	0%	SD	0%				
.....														
<b>*Ovary:</b>														
Tubulostromal Adenoma														
					0/50	(0%)								
Overall Incidence	Total				0/50	(0%)	Mean	0%	SD	0%				
.....														
<b>*Pancreas:</b>														
Adenoma														
		1/50	(2%)			0/50	(0%)							
Overall Incidence	Total	1/50	(2%)	Mean	2%	SD	0%	Total	0/50	(0%)	Mean	0%	SD	0%
.....														

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Jun2013  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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 Report Date: 06/05/2013

	Male				Female			
<b>*Pancreas:</b>								
<b>Carcinoma or Adenoma</b>								
		1/50 (2%)			0/50 (0%)			
<b>Overall Incidence</b>	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
<b>*Pancreas:</b>								
<b>Mixed Tumor Benign</b>								
		1/50 (2%)			0/50 (0%)			
<b>Overall Incidence</b>	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
<b>*Parathyroid Gland:</b>								
<b>Adenoma</b>								
		0/45 (0%)			0/45 (0%)			
<b>Overall Incidence</b>	Total	0/45 (0%)	Mean 0%	SD 0%	Total	0/45 (0%)	Mean 0%	SD 0%
.....								
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>								
<b>Adenoma</b>								
		34/49 (69%)			36/50 (72%)			
<b>Overall Incidence</b>	Total	34/49 (69.39%)	Mean 69.39%	SD 0%	Total	36/50 (72%)	Mean 72%	SD 0%
.....								
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>								
<b>Carcinoma</b>								
		0/49 (0%)			2/50 (4%)			
<b>Overall Incidence</b>	Total	0/49 (0%)	Mean 0%	SD 0%	Total	2/50 (4%)	Mean 4%	SD 0%
.....								
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>								
<b>Carcinoma or Adenoma</b>								
		34/49 (69%)			38/50 (76%)			
<b>Overall Incidence</b>	Total	34/49 (69.39%)	Mean 69.39%	SD 0%	Total	38/50 (76%)	Mean 76%	SD 0%
.....								

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jun2013  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male			Female		
<b>*Pituitary Gland: Pars Distalis or Unspecified Site:</b>							
<b>Ganglioneuroma</b>							
		0/49	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/49	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
<b>*Pituitary Gland: Pars Intermedia:</b>							
<b>Adenoma</b>							
		0/49	(0%)		1/50	(2%)	
<b>Overall Incidence</b>	Total	0/49	(0%)	Mean 0%	SD 0%	Total	1/50 (2%)
							Mean 2%
							SD 0%
<b>*Pituitary Gland: Pars Intermedia:</b>							
<b>Carcinoma or Adenoma</b>							
		0/49	(0%)		1/50	(2%)	
<b>Overall Incidence</b>	Total	0/49	(0%)	Mean 0%	SD 0%	Total	1/50 (2%)
							Mean 2%
							SD 0%
<b>*Pituitary Gland: Pars Nervosa:</b>							
<b>Craniopharyngioma</b>							
		0/49	(0%)		1/50	(2%)	
<b>Overall Incidence</b>	Total	0/49	(0%)	Mean 0%	SD 0%	Total	1/50 (2%)
							Mean 2%
							SD 0%
<b>*Prostate:</b>							
<b>Adenoma</b>							
		0/50	(0%)				
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%		
<b>*Prostate:</b>							
<b>Carcinoma or Adenoma</b>							
		0/50	(0%)				
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%		

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jun2013  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male			Female		
<b>*Salivary Glands:</b>							
<b>  Carcinoma</b>							
		1/50	(2%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
.....							
<b>*Salivary Glands:</b>							
<b>  Carcinoma or Adenoma</b>							
		1/50	(2%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
.....							
<b>*Salivary Glands:</b>							
<b>  Sarcoma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
.....							
<b>*Salivary Glands:</b>							
<b>  Schwannoma Malignant</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
.....							
<b>#Seminal Vesicle:</b>							
<b>  Adenoma</b>							
		0/50	(0%)				
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%		
.....							
<b>#Skeletal Muscle:</b>							
<b>  Fibrous Histiocytoma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
							Mean 0%
							SD 0%
.....							

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jun2013  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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	Male				Female			
<b>#Skeletal Muscle:</b>								
Lipoma								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>#Skin:</b>								
Basal Cell Adenoma								
		0/50	(0%)			1/50	(2%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	1/50	(2%)
.....								
<b>#Skin:</b>								
Basal Cell Adenoma or Basosquamous Tumor Benign								
		0/50	(0%)			1/50	(2%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	1/50	(2%)
.....								
<b>#Skin:</b>								
Basal Cell Adenoma, Basosquamous Tumor Benign, or Trichoepithelioma								
		0/50	(0%)			1/50	(2%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	1/50	(2%)
.....								
<b>#Skin:</b>								
Basal Cell Carcinoma								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>#Skin:</b>								
Basal Cell Carcinoma or Basosquamous Tumor (malignant or NOS)								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jun2013  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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	Male				Female			
<b>#Skin:</b>								
Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma								
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
.....								
<b>#Skin:</b>								
Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma								
Overall Incidence	Total	5/50 (10%)	Mean 10%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
.....								
<b>#Skin:</b>								
Fibroma								
Overall Incidence	Total	4/50 (8%)	Mean 8%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma								
Overall Incidence	Total	4/50 (8%)	Mean 8%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
Fibrosarcoma								
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
.....								
<b>#Skin:</b>								
Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma								
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jun2013  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
 Route: SKIN  
 Vehicle: ACETONE

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		Male			Female		
<b>#Skin:</b>							
<b>Fibrous Histiocytoma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							
<b>#Skin:</b>							
<b>Hemangiosarcoma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							
<b>#Skin:</b>							
<b>Keratoacanthoma</b>							
		4/50	(8%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	4/50	(8%)	Mean 8%	SD 0%	Total	0/50 (0%)
.....							
<b>#Skin:</b>							
<b>Lipoma</b>							
		2/50	(4%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	2/50	(4%)	Mean 4%	SD 0%	Total	0/50 (0%)
.....							
<b>#Skin:</b>							
<b>Liposarcoma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							
<b>#Skin:</b>							
<b>Neural Crest Tumor</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Jun2013  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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		Male				Female			
<b>#Skin:</b>									
<b>Neurofibroma or Schwannoma benign</b>									
		0/50	(0%)			1/50	(2%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	1/50	(2%)	Mean 2% SD 0%
.....									
<b>#Skin:</b>									
<b>Neurofibrosarcoma or Schwannoma (malignant or NOS)</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Skin:</b>									
<b>Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS)</b>									
		0/50	(0%)			1/50	(2%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	1/50	(2%)	Mean 2% SD 0%
.....									
<b>#Skin:</b>									
<b>Sarcoma</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%
.....									
<b>#Skin:</b>									
<b>Schwannoma Benign</b>									
		0/50	(0%)			1/50	(2%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	1/50	(2%)	Mean 2% SD 0%
.....									
<b>#Skin:</b>									
<b>Schwannoma Malignant</b>									
		0/50	(0%)			0/50	(0%)		
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Jun2013  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
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		Male			Female		
<b>#Skin:</b>							
<b>Squamous Cell Carcinoma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							
<b>#Skin:</b>							
<b>Squamous Cell Carcinoma, Basal Cell Carcinoma, Basosquamous Tumor (malignant or NOS), or Carcinoma</b>							
		0/50	(0%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50 (0%)
.....							
<b>#Skin:</b>							
<b>Squamous Cell Papilloma</b>							
		1/50	(2%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50 (0%)
.....							
<b>#Skin:</b>							
<b>Squamous Cell Papilloma or Papilloma</b>							
		1/50	(2%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	1/50	(2%)	Mean 2%	SD 0%	Total	0/50 (0%)
.....							
<b>#Skin:</b>							
<b>Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma</b>							
		5/50	(10%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	5/50	(10%)	Mean 10%	SD 0%	Total	0/50 (0%)
.....							
<b>#Skin:</b>							
<b>Squamous Cell Papilloma, Papilloma, or Keratoacanthoma</b>							
		5/50	(10%)		0/50	(0%)	
<b>Overall Incidence</b>	Total	5/50	(10%)	Mean 10%	SD 0%	Total	0/50 (0%)

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Jun2013  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

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	Male				Female			
<b>#Skin:</b>								
<b>Trichoepithelioma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>#Skin: Sebaceous Gland:</b>								
<b>Adenoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>#Skin: Sebaceous Gland:</b>								
<b>Carcinoma or Adenoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>#Spinal Cord:</b>								
<b>Glioma Malignant</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>#Stomach, Glandular:</b>								
<b>Carcinoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>#Stomach, Glandular:</b>								
<b>Carcinoma or Adenoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jun2013  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
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**Route: SKIN**  
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		Male			Female		
<b>#Stomach, Glandular:</b>							
<b>Sarcoma</b>							
		0/50	(0%)			0/50	(0%)
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	0/50	(0%)
.....							
<b>*Testes:</b>							
<b>Adenoma</b>							
		27/50	(54%)				
<b>Overall Incidence</b>	Total	27/50	(54%)	Mean 54%	SD 0%		
.....							
<b>*Testes:</b>							
<b>Hemangioma</b>							
		0/50	(0%)				
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%		
.....							
<b>*Thymus:</b>							
<b>Thymoma Benign</b>							
		0/45	(0%)			0/47	(0%)
<b>Overall Incidence</b>	Total	0/45	(0%)	Mean 0%	SD 0%	0/47	(0%)
						0/47	(0%)
.....							
<b>*Thymus:</b>							
<b>Thymoma Malignant</b>							
		0/45	(0%)			0/47	(0%)
<b>Overall Incidence</b>	Total	0/45	(0%)	Mean 0%	SD 0%	0/47	(0%)
						0/47	(0%)
.....							
<b>*Thymus:</b>							
<b>Thymoma NOS</b>							
		0/45	(0%)			0/47	(0%)
<b>Overall Incidence</b>	Total	0/45	(0%)	Mean 0%	SD 0%	0/47	(0%)
						0/47	(0%)
.....							

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Jun2013  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
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 Tumor Incidence for Selected Control Animal Groups  
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		Male			Female		
<b>*Thymus:</b>							
<b>Thymoma: Benign, Malignant, NOS</b>							
		0/45 (0%)			0/47 (0%)		
<b>Overall Incidence</b>	Total	0/45 (0%)	Mean 0%	SD 0%	Total	0/47 (0%)	Mean 0% SD 0%
.....							
<b>*Thyroid Gland: C-Cell:</b>							
<b>Adenoma</b>							
		8/50 (16%)			3/50 (6%)		
<b>Overall Incidence</b>	Total	8/50 (16%)	Mean 16%	SD 0%	Total	3/50 (6%)	Mean 6% SD 0%
.....							
<b>*Thyroid Gland: C-Cell:</b>							
<b>Carcinoma</b>							
		1/50 (2%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>*Thyroid Gland: C-Cell:</b>							
<b>Carcinoma or Adenoma</b>							
		8/50 (16%)			3/50 (6%)		
<b>Overall Incidence</b>	Total	8/50 (16%)	Mean 16%	SD 0%	Total	3/50 (6%)	Mean 6% SD 0%
.....							
<b>*Thyroid Gland: Follicular Cell:</b>							
<b>Adenoma</b>							
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>*Thyroid Gland: Follicular Cell:</b>							
<b>Carcinoma</b>							
		0/50 (0%)			0/50 (0%)		
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jun2013  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
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**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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		Male			Female		
<b>*Thyroid Gland: Follicular Cell: Carcinoma or Adenoma</b>							
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>#Tongue: Squamous Cell Carcinoma</b>							
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>#Tongue: Squamous Cell Carcinoma or Papilloma Squamous</b>							
<b>Overall Incidence</b>	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>#Tongue: Squamous Cell Papilloma</b>							
<b>Overall Incidence</b>	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>#Tooth: Adamantinoma Malignant</b>							
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%
.....							
<b>*Urinary Bladder: Carcinoma</b>							
<b>Overall Incidence</b>	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0% SD 0%

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Jun2013  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
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**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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	Male				Female			
<b>*Urinary Bladder: Carcinoma or Papilloma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>*Urinary Bladder: Hemangiosarcoma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>*Urinary Bladder: Papilloma</b>								
		0/50	(0%)			0/50	(0%)	
<b>Overall Incidence</b>	Total	0/50	(0%)	Mean 0%	SD 0%	Total	0/50	(0%)
.....								
<b>#Uterus: Adenoma</b>								
						0/50	(0%)	
<b>Overall Incidence</b>						Total	0/50	(0%)
.....								
<b>#Uterus: Carcinoma</b>								
						0/50	(0%)	
<b>Overall Incidence</b>						Total	0/50	(0%)
.....								
<b>#Uterus: Leiomyosarcoma</b>								
						0/50	(0%)	
<b>Overall Incidence</b>						Total	0/50	(0%)
.....								

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied

Version: Jun2013  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
 Length of Study: CHRONIC

**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
**Vehicle: ACETONE**

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	Male	Female
<b>#Uterus:</b>		
<b>Polyp Stromal</b>		
Overall Incidence	Total 9/50 (18%)	Mean 18% SD 0%
<b>#Uterus:</b>		
<b>Sarcoma</b>		
Overall Incidence	Total 0/50 (0%)	Mean 0% SD 0%
<b>#Uterus:</b>		
<b>Sarcoma Stromal</b>		
Overall Incidence	Total 0/50 (0%)	Mean 0% SD 0%
<b>#Uterus:</b>		
<b>Sarcoma Stromal or Polyp Stromal</b>		
Overall Incidence	Total 9/50 (18%)	Mean 18% SD 0%
<b>#Uterus:</b>		
<b>Schwannoma Malignant</b>		
Overall Incidence	Total 0/50 (0%)	Mean 0% SD 0%
<b>#Vagina:</b>		
<b>Polyp</b>		
Overall Incidence	Total 1/50 (2%)	Mean 2% SD 0%

\*: Denominator is number of animals with tissues examined microscopically

#: Denominator is number of animals necropsied

Version: Jun2013  
 Contract/Lab: All Laboratories  
 Species: RATS  
 Strain: F 344/N  
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**Toxicology Data Management System**  
 Tumor Incidence for Selected Control Animal Groups  
**Route: SKIN**  
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Male					Female			
<b>#Vagina:</b>								
Sarcoma								
					0/50 (0%)			
<b>Overall Incidence</b>			Total		0/50 (0%)		Mean 0% SD 0%	
.....								
<b>#Vagina:</b>								
Schwannoma Malignant								
					0/50 (0%)			
<b>Overall Incidence</b>			Total		0/50 (0%)		Mean 0% SD 0%	
.....								
<b>#Zymbal's Gland:</b>								
Adenoma								
			1/50 (2%)		0/50 (0%)			
<b>Overall Incidence</b>			Total		0/50 (0%)		Mean 0% SD 0%	
.....								
<b>#Zymbal's Gland:</b>								
Carcinoma								
			0/50 (0%)		0/50 (0%)			
<b>Overall Incidence</b>			Total		0/50 (0%)		Mean 0% SD 0%	
.....								
<b>#Zymbal's Gland:</b>								
Carcinoma or Adenoma								
			1/50 (2%)		0/50 (0%)			
<b>Overall Incidence</b>			Total		0/50 (0%)		Mean 0% SD 0%	

\*: Denominator is number of animals with tissues examined microscopically  
 #: Denominator is number of animals necropsied