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

				Stu	dy 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
					Male		
Southern Research Institute	058813307	01/18/05	729	50(1)	23(681)	516.1	Trimethylolpropane triacrylate
					Female		
Southern Research Institute	058813307	01/18/05	731	50(1)	27(688)	352.8	Trimethylolpropane triacrylate

			Page: 210 Report Date: 06/05/2013					
		Male				Female		
Total	48/50 (96%) 48/50 (96%)	Mean 96%						
	()				()		SD 0%	
	30/50 (60%)				21/50 (42%)			
Total	. ,			Total	()		SD 0%	
	50/50 (100%) 50/50 (100%)	Mean 100%	SD 0%	Total	47/50 (94%) 47/50 (94%)	Mean 94%	SD 0%	
	0/50 (0%)				0/50 (0%)			
Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
	0/50 (0%)				0/50 (0%)			
Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
	Total Total mors Total Total	48/50 (96%) Total 48/50 (96%) 30/50 (60%) Total 30/50 (60%) mors 50/50 (100%) Total 50/50 (100%) Total 50/50 (100%) Total 0/50 (0%) Total 0/50 (0%)	es Tumor Incide Male 48/50 (96%) Total 48/50 (96%) Mean 96% 30/50 (60%) Mean 60% mors 50/50 (100%) Total 50/50 (100%) Mean 100% Cotal 0/50 (0%) Total 0/50 (0%) Mean 0% Mean 0% M	Ses Tumor Incidence for Selected Contr Route: SKIN Vehicle: ACETONE Male Male 1 48/50 (96%) Total Mean 96% SD 0% 30/50 (60%) Total Mean 96% SD 0% mors 30/50 (60%) Total Mean 60% SD 0% mors 50/50 (100%) Total Mean 100% SD 0% 1 0/50 (0%) Mean 0% SD 0% Mean 0% SD 0% 1 0/50 (0%) Mean 0% Mean 0% SD 0% Mean 0% SD 0% 1 0/50 (0%) Mean 0% Mean 0% SD 0% Mean 0% SD 0%	Route: SKIN Vehicle: ACETONE Male 48/50 (96%) Mean 96% SD 0% Total 30/50 (60%) Mean 96% SD 0% Total 30/50 (60%) Mean 60% SD 0% Total mors 50/50 (100%) Mean 100% SD 0% Total 0/50 (0%) Mean 0% SD 0% Total	ss Tumor Incidence for Selected Control Animal Groups Route: SKIN Vehicle: ACETONE Male 48/50 (96%) Male Total 48/50 (96%) Mean 96% SD 0% Total 30/50 (60%) Mean 96% SD 0% Total 30/50 (60%) Mean 60% SD 0% Total 21/50 (42%) Total 30/50 (60%) Mean 60% SD 0% Total 30/50 (60%) Mean 60% SD 0% Total 21/50 (42%) Total 30/50 (60%) Mean 60% SD 0% Total 21/50 (42%) Total 50/50 (100%) Mean 100% SD 0% Total 47/50 (94%) Total 50/50 (100%) Mean 0% SD 0% Total 0/50 (0%) Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) 0/50 (0%) Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Man 0% SD 0% Total 0/50 (0%) 0/50 (0%) Man 0% SD 0%	Tumor Incidence for Selected Control Animal Groups Route: SKIN Vehicle: ACETONE Report Data Route: SKIN Vehicle: ACETONE Male Female 48/50 (96%) Mean 96% SD 0% Total 43/50 (86%) Mean 86% Total 48/50 (96%) Mean 96% SD 0% Total 43/50 (86%) Mean 86% Total 30/50 (60%) Mean 96% SD 0% Total 21/50 (42%) Mean 42% mors 50/50 (100%) Mean 100% SD 0% Total 47/50 (94%) Mean 94% Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 94% Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% Manpiona 0/5	

Version: Jun2013 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxic d Tumor Incide		Page: 211 Report Date: 06/05/2013			
			Male				Female	
#All Organs: Histiocytic Sarcoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#All Organs: Leukemia: Lymphocytic, M		ononuclear, or Undifferer 26/50 (52%)	tiated			12/50 (24%)		
Overall Incidence	Total	26/50 (52%)	Mean 52%	SD 0%	Total	12/50 (24%)	Mean 24%	SD 0%
#All Organs: Malignant Lymphoma: Hist Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#All Organs: Mesothelioma: Benign, Ma						0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#All Organs: Mesothelioma: Malignant		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#All Organs: Osteoma		0/50 (0%)				0/50 (0%)		

Version: Jun2013 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Page: 212 Report Date: 06/05/2013						
			Male			Female			
#All Organs: Osteosarcoma		2/50 (4%)				0/50 (0%)			
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#All Organs: Osteosarcoma or Osteoma		2/50 (4%)				0/50 (0%)			
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Adrenal Cortex: 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%	
*Adrenal Cortex: Carcinoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Adrenal Medulla: Pheochromocytoma Benign		11/49 (22%)				0/48 (0%)			
Overall Incidence	Total	11/49 (22.45%)	Mean 22.45%	SD 0%	Total	0/48 (0%)	Mean 0%	SD 0%	
*Adrenal Medulla: Pheochromocytoma Comple	×	0/49 (0%)				0/48 (0%)			
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	0/48 (0%)	Mean 0%	SD 0%	

Version: Jun2013 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxico Tumor Incider	Page: 213 Report Date: 06/05/2013						
			Male				Female			
*Adrenal Medulla: Pheochromocytoma Malign	ant	1/49 (2%)				0/48 (0%)				
Overall Incidence	Total	1/49 (2.04%)	Mean 2.04%	SD 0%	Total	0/48 (0%)	Mean 0%	SD 0%		
*Adrenal Medulla: Pheochromocytoma: Benig	n, Complex					0/48 (0%)				
Overall Incidence	Total	12/49 (24.49%)	Mean 24.49%	SD 0%	Total	0/48 (0%)	Mean 0%	SD 0%		
#Blood Vessel: Leiomyosarcoma		0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
#Bone: Chordoma		0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
#Bone: Osteoma		0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
#Bone: Osteosarcoma		2/50 (4%)				0/50 (0%)				
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		

Version: Jun2013 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC	;			Page: 214 Report Date: 06/05/2013					
			Male			Female			
#Bone: Osteosarcoma or Osteoma Overall Incidence	ı Total	2/50 (4%) 2/50 (4%)	Mean 4%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
						()		30 0%	
*Brain: Glioma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Brain: Glioma Benign Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
*Brain: Glioma Malignant Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
	10tai	0/50 (0%)		SD 0%	TOLAI	0/50 (0%)	wean 0%	50 0%	
*Brain: Oligodendroglioma, Gliom	a, or Astrocy	toma 0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Brain: Osteosarcoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	

Version: Jun2013 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Page: 215 Report Date: 06/05/2013						
			Male			Female			
*Clitoral/Preputial Gland: Adenoma		3/50 (6%)				4/50 (8%)			
Overall Incidence	Total	3/50 (6%)	Mean 6%	SD 0%	Total	4/50 (8%)	Mean 8%	SD 0%	
*Clitoral/Preputial Gland: Carcinoma		0/50 (0%)				7/50 (14%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	7/50 (14%)	Mean 14%	SD 0%	
*Clitoral/Preputial Gland: Carcinoma or Adenoma Overall Incidence	Total	3/50 (6%) 3/50 (6%)	Mean 6%	SD 0%	Total	10/50 (20%) 10/50 (20%)	Mean 20%	SD 0%	
*Clitoral/Preputial Gland: Sarcoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
#Ear: Neural Crest Tumor		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Eye: Melanoma Benign		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	

Version: Jun2013 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Page: 216 Report Date: 06/05/2013					
			Male				Female	
#Eye: Melanoma Malignant Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
		()				()		
#Harderian Gland: Adenoma Overall Incidence	Total	0/50 (0%)	Maan 00/	SD 0%	Total	0/50 (0%)	Maca 0%	SD 0%
	Total	0/50 (0%)	Mean 0%		Total	0/50 (0%)	Mean 0%	50 0%
#Harderian Gland: Carcinoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Harderian Gland: Carcinoma or Adenoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
	TULAI	0/30 (078)			i otai	0/30 (078)		50 0%
*Heart: Schwannoma Benign		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Heart: Schwannoma Malignant		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

Version: Jun2013 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxic Tumor Incid		Page: 217 Report Date: 06/05/2013					
			Male				Female			
#Intestine Large: Colon/Rectu Adenoma	m:									
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
		, ,		070 070	ı ulaı	0/30 (0%)		0%		
#Intestine Large: Colon/Rectu Carcinoma or Adenoma	m:									
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
#Intestine Small: Duodenum: Leiomyoma										
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
#Intestine Small: Duodenum: Schwannoma Malignant		0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
#Intestine Small: Ileum: Adenoma										
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
#Intestine Small: Jejunum: Carcinoma		0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		

/ersion: Jun2013 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ACETONI	ol Animal Groups	Page: 218 Report Date: 06/05/2013				
			Male			Female				
#Intestine Small: Jejunum: Leiomyoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
#Intestine Small: Jejunum: Leiomyosarcoma		·····								
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
#Intestine Small: Site Unspeci Adenoma	fied:	0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
Intestine Small: Site Unspeci Carcinoma	ïed:	0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
fIntestine Small: Site Unspeci Carcinoma or Adenoma		0/50 (0%)								
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
fIntestine Small: Site Unspeci Leiomyoma						0/50 (00/)				
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		

Version: Jun2013 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Page: 219 Report Date: 06/05/2013									
			Male				Female					
#Intestine Small: Site Unspecified: Leiomyosarcoma 0/50 (0%) 0/50 (0%)												
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%				
#Intestine Small: Site Unspec Schwannoma Malignant						0/50 (00/)						
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%				
*Islets, Pancreatic: Adenoma		18/50 (36%)				3/50 (6%)						
Overall Incidence	Total	18/50 (36%)	Mean 36%	SD 0%	Total	3/50 (6%)	Mean 6%	SD 0%				
*Islets, Pancreatic: Carcinoma		0/50 (0%)				0/50 (0%)						
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%				
*Islets, Pancreatic: Carcinoma or Adenoma		18/50 (36%)				3/50 (6%)						
Overall Incidence	Total	18/50 (36%)	Mean 36%	SD 0%	Total	3/50 (6%)	Mean 6%	SD 0%				
*Kidney: Pelvis and Transitio Papilloma		ım:										
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%				

Version: Jun2013 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Page: 220 Report Date: 06/05/2013						
			Male			Female			
*Kidney: Renal Tubule: Adenoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Kidney: Renal Tubule: Carcinoma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Kidney: Renal Tubule: Carcinoma or Adenoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
*Kidney: Renal Tubule: Lipoma						0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Kidney: Renal Tubule: Mesenchymal Tumor Malign		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Kidney: Renal Tubule: Sarcoma		0/50 (0%)				1/50 (2%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%	

Version: Jun2013 Contract/Lab: All Laboratorie Species: RATS Strain: F 344/N Length of Study: CHRONIC				Route: SKIN	ol Animal Groups		Page: 221 Report Dat		
			Male Female Mean 2% SD 0% Total 0/50 (0%) 0/50 (0%) Mean 0% SD 0% Mean 2% SD 0% Total 0/50 (0%) 0/50 (0%) Mean 0% SD 0% Mean 2% SD 0% Total 0/50 (0%) 0/50 (0%) Mean 0% SD 0% Mean 2% SD 0% Total 0/50 (0%) 0/50 (0%) Mean 0% SD 0% Mean 4% SD 0% Total 0/50 (0%) 0/50 (0%) Mean 0% SD 0% astoma 0/50 (0%) Mean 4% SD 0% Total 0/50 (0%) 0/50 (0%) Mean 0% SD 0%						
*Liver: Hepatocellular Adenoma		1/50 (2%)							
Overall Incidence	Total	1/50 (2%)				. ,	Mean 0%	SD 0%	
*Liver: Hepatocellular Carcinoma		1/50 (2%)							
Overall Incidence	Total	1/50 (2%)				. ,		SD 0%	
*Liver: Hepatocellular Carcinom: Overall Incidence						0/50 (0%)		SD 0%	
*Liver: Hepatocellular Carcinom	-	lular Adenoma 2/50 (4%)				· · /			
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Liver: Hepatocellular Carcinoma	a, Hepatocellul	lar Adenoma, or Hepato 2/50 (4%)	blastoma			0/50 (0%)			
Overall Incidence	Total	2/50 (4%)						SD 0%	
*Liver: Ito Cell Tumor Benign		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	

Version: Jun2013 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				Diogy Data Manageme ence for Selected Contr Route: SKIN Vehicle: ACETON	ol Animal Groups		Page: 222 Report Date: 06/05/2013 Female Mean 0% SD 0%				
			Route: SKIN Vehicle: ACETONE Male Female Mean 2% SD 0% Total 0/50 (0%) 0/50 (0%) Mean 0% SD Mean 2% SD 0% Total 0/50 (0%) 0/50 (0%) Mean 0% SD Mean 2% SD 0% Total 0/50 (0%) 0/50 (0%) Mean 0% SD Mean 4% SD 0% Total 0/50 (0%) 0/50 (0%) Mean 0% SD Mean 0% SD 0% Total 0/50 (0%) 0/50 (0%) Mean 0% SD								
Overall Incidence	Total	1/50 (2%)				· · ·	Mean 0%	SD 0%			
*Lung: Alveolar/Bronchiolar Carcir		1/50 (2%)									
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	()	Mean 0%	SD 0%			
*Lung: Alveolar/Bronchiolar Carcir Overall Incidence	ioma or Alve Total	eolar/Bronchiolar Adeno 2/50 (4%) 2/50 (4%)	ma Mean 4%	SD 0%		0/50 (0%)	Mean 0%	SD 0%			
*Lung: Fibrosarcoma Overall Incidence	Total	0/50 (0%)				0/50 (0%)	M 00/	CD 00/			
Overall incidence		0/50 (0%)				· · ·	Mean 0%	SD 0%			
#Mammary Gland: Adenolipoma		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
#Mammary Gland: Adenoma		0/50 (0%)				4/50 (8%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	4/50 (8%)	Mean 8%	SD 0%			

Version: Jun2013 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				Route: SKIN	ol Animal Groups		Page: 223 Report Dat	e: 06/05/2013
			Tumor Incidence for Selected Control Animal Groups Route: SKIN Vehicle: ACETONE Report Display Male Female Male Female Mean 0% SD 0% Total 3/50 (6%) 3/50 (6%) Mean 6% Mean 0% SD 0% Total 6/50 (12%) 6/50 (12%) Mean 12% Mean 0% SD 0% Total 22/50 (44%) 22/50 (44%) Mean 12% Mean 2% SD 0% Total 0/50 (0%) 0/50 (0%) Mean 0% Mean 0% SD 0% Total 25/50 (50%) 0/50 (0%) Mean 0% Mean 2% SD 0% Total 25/50 (50%) 0/50 (0%) Mean 50%					
#Mammary Gland: Carcinoma	O/50 (0%) Male Total 0/50 (0%) 0/50 (0%) Mean 0% Total 0/50 (0%) Total 0/50 (0%) Mean 0% SE 1/50 (2%) Total 0/50 (0%) Mean 2% SE 0/50 (0%) Mean 2% 1/50 (2%) Mean 0% SE denoma 1/50 (2%) Mean 2% SE denoma 1/50 (2%) Mean 2% SE			3/50 (6%)				
Overall Incidence	Total	()	Mean 0%	SD 0%	Total	. ,	Mean 6%	SD 0%
#Mammary Gland: Carcinoma or Adenoma		0/50 (0%)				6/50 (12%)		
Overall Incidence		0/50 (0%)				6/50 (12%)		SD 0%
#Mammary Gland: Fibroadenoma Overall Incidence	Total	1/50 (2%)				22/50 (44%)		SD 0%
#Mammary Gland: Fibroma Overall Incidence	Total	0/50 (0%)		SD 0%	Total	· · ·	Mean 0%	SD 0%
#Mammary Gland: Fibroma, Fibroadenoma or A						25/50 (50%)		
Overall Incidence		1/50 (2%)				25/50 (50%)	Mean 50%	SD 0%
#Mammary Gland: Fibroma, Fibroadenoma, Ca						25/50 (50%)		
Overall Incidence *: Denominator is number of animals #: Denominator is number of animals	with tissues ex	1/50 (2%)	Mean 2%	SD 0%	Total	25/50 (50%)	Mean 50%	SD 0%

Version: Jun2013 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ence for Selected Contr Route: SKIN	ol Animal Groups		Page: 224 Report Date: 06/05/201				
			Male	Route: SKIN Vehicle: ACETONE ale Female ale Female b SD 0% Total 0/50 (0%) 0/50 (0%) Mean 0% SE b SD 0% Total 0/50 (0%) Mean 0% SE b SD 0% Total 0/50 (0%) Mean 0% SE b SD 0% Total 0/50 (0%) Mean 0% SE c SD 0% Total 0/50 (0%) Mean 0% SE c SD 0% Total 0/50 (0%) Mean 0% SE c SD 0% Total 0/50 (0%) Mean 0% SE c SD 0% Total 0/50 (0%) Mean 0% SE			Female				
#Mesentery: Fibrous Histiocytoma		Route: SKI Vehicle: ACET Male Male 0/50 (0%) Mean 0% SD 0% Pharynx, Tooth, Gingiva): 1/50 (2%) Mean 2% SD 0% Pharynx, Tooth, Gingiva): 0/50 (0%) Mean 0% SD 0% Pharynx, Tooth, Gingiva): 0/50 (0%) Mean 0% SD 0% Pharynx, Tooth, Gingiva): ma Squamous, or Papilloma SD 0%			()						
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
#Mesentery: Schwannoma Malignant		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	. ,				. ,		SD 0%			
*Nose: Adenoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%			0/50 (0%)		SD 0%			
#Oral Cavity (Oral Mucosa, To Papilloma Squamous or Pa	ongue, Phary	ynx, Tooth, Gingiva):									
Overall Incidence	Total	1/50 (2%)				· · ·	Mean 0%	SD 0%			
#Oral Cavity (Oral Mucosa, To Squamous Cell Carcinoma											
Overall Incidence	Total	0/50 (0%)		SD 0%	Total	· · ·	Mean 0%	SD 0%			
#Oral Cavity (Oral Mucosa, To	ongue, Phary	ynx, Tooth, Gingiva): Squamous, or Papilloma				0/50 (00/)					
Overall Incidence	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%			
	s with tissues e					0,00 (070)					

Version: Jun2013 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ACETONE	ol Animal Groups	Page: 225 Report Date: 06/05/2013		e: 06/05/2013	
			Male				Report Date: 06/05/2013 Female 0%) Mean 0% SD 0% 0%) Mean 0% SD 0%		
#Oral Mucosa: Squamous Cell Carcinoma		0/50 (0%) 0/50 tal 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) (0%)		
Overall Incidence	Total		Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
#Oral Mucosa: Squamous Cell Papilloma		0/50 (0%)				0/50 (0%)			
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%	
*Ovary: Cystadenoma									
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
*Ovary: Fibrosarcoma									
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
*Ovary: Granulosa Cell Tumor Beni									
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	
*Ovary: Granulosa Cell Tumor Malig	gnant					4/50 (00()			
Overall Incidence					Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%	
*: Denominator is number of animals #: Denominator is number of animals		xamined microscopically							

Version: Jun2013 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ACETONE	ol Animal Groups		Page: 226 Report Date: 06/05/2013			
Length of Study: CHRONIC				venicle: ACETONE	-					
			Male				Female			
*Ovary: Granulosa Cell Tumor: Benigi	n Malignant	NOS								
Grandiosa Gen Tamor. Berngi	i, mangnan	, 100				1/50 (2%)				
Overall Incidence					Total	1/50 (2%)	Mean 2%	SD 0%		
'Ovary: Granulosa-Theca Tumor Malig	gnant									
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
*Ovary: Schwannoma Malignant										
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
*Ovary: Sertoli Cell Tumor Malignant										
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
*Ovary: Tubulostromal Adenoma										
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
*Pancreas: Adenoma										
		1/50 (2%)		65		0/50 (0%)	••	25 <i>au</i> /		
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		

Version: Jun2013 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				logy Data Manageme nce for Selected Contr Route: SKIN Vehicle: ACETON	ol Animal Groups		Page: 227 Report Dat	e: 06/05/2013
			Male			Female 0/50 (0%) 0/50 (0%) Mean 0% SD 0% 0/50 (0%) 0/50 (0%) Mean 0% SD 0% 0/50 (0%) 0/50 (0%) Mean 0% SD 0% 0/45 (0%) 0/45 (0%) Mean 0% SD 0% 36/50 (72%) 36/50 (72%) Mean 72% SD 0% 2/50 (4%) 2/50 (4%) Mean 4% SD 0%		
*Pancreas: Carcinoma or Adenoma		1/50 (2%)				· · /		
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Pancreas: Mixed Tumor Benign		1/50 (2%)				0/50 (0%)		
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	. ,		
*Parathyroid Gland: Adenoma Overall Incidence	Total	0/45 (0%) 0/45 (0%)	Mean 0%	SD 0%	Total	0/45 (0%) 0/45 (0%)		
*Pituitary Gland: Pars Distalis Adenoma								
Overall Incidence	Total	34/49 (69.39%)	Mean 69.39%	SD 0%	Total	36/50 (72%)		SD 0%
*Pituitary Gland: Pars Distalis Carcinoma		ified Site:						
Overall Incidence	Total	0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%	Total	· · /	Mean 4%	SD 0%
*Pituitary Gland: Pars Distalis Carcinoma or Adenoma		ified Site:						
Overall Incidence	Total	34/49 (69%) 34/49 (69.39%)	Mean 69.39%	SD 0%	Total	38/50 (76%) 38/50 (76%)	Mean 76%	SD 0%
					10101	30/30 (10/0)		

Version: Jun2013 Contract/Lab: All Laboratorie Species: RATS Strain: F 344/N Length of Study: CHRONIC	S			ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ACETON	ol Animal Groups		Page: 228 Report Dat	e: 06/05/2013			
			Male			Female 0/50 (0%) 0/50 (0%) 0/50 (0%) Mean 0% 1/50 (2%) 1/50 (2%) 1/50 (2%) SD 0%					
*Pituitary Gland: Pars Distalis or Unspecified Site: Ganglioneuroma 0/49 (0%) 0/50 (0%)											
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	()	Mean 0%	SD 0%			
*Pituitary Gland: Pars Interr Adenoma		0/49 (0%)				1/50 (2%)					
Overall Incidence	Total	0/49 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%			
*Pituitary Gland: Pars Interr Carcinoma or Adenoma Overall Incidence		0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%			
Pituitary Gland: Pars Nervo Craniopharyngioma Overall Incidence		0/49 (0%) 0/49 (0%)	Mean 0%	SD 0%	Total	· · ·	Mean 2%	SD 0%			
Prostate: Adenoma		0/50 (0%)									
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%							
Prostate: Carcinoma or Adenoma		0/50 (0%)									
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%							

Version: Jun2013 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				Route: SKIN	ol Animal Groups		Page: 229 Report Date: 06/05/2				
			Tumor Incidence for Selected Control Animal Groups Route: SKIN Vehicle: ACETONE Male 0/50 (0%) %) Mean 2% SD 0% Total 0/50 (0%) Mean %) Mean 2% SD 0% Total 0/50 (0%) Mean %) Mean 2% SD 0% Total 0/50 (0%) Mean %) Mean 2% SD 0% Total 0/50 (0%) Mean %) Mean 0% SD 0% Total 0/50 (0%) Mean %) Mean 0% SD 0% Total 0/50 (0%) Mean %) Mean 0% SD 0% Total 0/50 (0%) Mean %) Mean 0% SD 0% Total 0/50 (0%) Mean %) Mean 0% SD 0% Total 0/50 (0%) Mean			Female					
*Salivary Glands: Carcinoma						()					
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
*Salivary Glands: Carcinoma or Adenoma		1/50 (2%)				0/50 (0%)					
Overall Incidence	Total	1/50 (2%)				0/50 (0%)	Mean 0%	SD 0%			
*Salivary Glands: Sarcoma Overall Incidence	Total					0/50 (0%)	Mean 0%	SD 0%			
*Salivary Glands: Schwannoma Malignant Overall Incidence	Total		Mean 0%	SD 0%	Total	. ,	Mean 0%	SD 0%			
#Seminal Vesicle: Adenoma		· · ·									
Overall Incidence	Total	0/50 (0%)									
#Skeletal Muscle: Fibrous Histiocytoma		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			

Version: Jun2013 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Page: 230 Report Date: 06/05/2013					
			Male		Female			
#Skeletal Muscle: Lipoma		0/50 (0%)	0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skin: Basal Cell Adenoma		0/50 (0%)				1/50 (2%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
#Skin: Basal Cell Adenoma or Base Overall Incidence			Mean 0%	SD 0%	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%
#Skin: Basal Cell Adenoma, Basos Overall Incidence		umor Benign, or Trichoe _l 0/50 (0%) 0/50 (0%)		SD 0%	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%
¥Skin: Basal Cell Carcinoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skin: Basal Cell Carcinoma or Ba		s Tumor (malignant or N 0/50 (0%)				0/50 (0%)		
Overall Incidence *: Denominator is number of animals #: Denominator is number of animals	with tissues e	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

/ersion: Jun2013 Contract/Lab: All Laboratorie: Species: RATS Strain: F 344/N Length of Study: CHRONIC	s	Toxicology Data Management System Tumor Incidence for Selected Control Animal Groups Route: SKIN Vehicle: ACETONE						Page: 231 Report Date: 06/05/2013			
			Male				Female				
#Skin: Basal Cell Carcinoma, Basal Cell Adenoma, Basosquamous Tumor (benign, malignant or NOS), or Trichoepithelioma											
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%			
Skin: Basal or Sq. Cell Carcinon Adenoma, Papilloma, Sq F	na. Carcinoma	a. Basoso. Tumor (M or I	3). Basal Cell Adeno			1/50 (2%)					
verall Incidence	Total	5/50 (10%)	Mean 10%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%			
Skin: Fibroma		4/50 (8%)				0/50 (0%)					
Overall Incidence	Total	4/50 (8%)	Mean 8%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
Skin: Fibroma, Fibrosarcoma, S	arcoma, Myxo	oma, Myxosarcoma, or F 4/50 (8%)	ibrous Histiocytoma			0/50 (0%)					
Overall Incidence	Total	4/50 (8%)	Mean 8%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
Skin: Fibrosarcoma		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
Skin: Fibrosarcoma, Sarcoma, N	Myxosarcoma	, or Fibrous Histiocytom 0/50 (0%)				0/50 (0%)					
		0,00 (0,0)				3,00 (0,0)					

Version: Jun2013 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ACETON	ol Animal Groups		Page: 232 Report Date: 0				
			Male			Groups Female 0/50 (0%) otal 0/50 (0%) 0/50 (0%) Mean 0% SD (0%) otal 0/50 (0%) Mean 0% SD (0%) 0/50 (0%) Mean 0% SD (0%)					
#Skin: Fibrous Histiocytoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	· · ·	Mean 0%	SD 0%			
		()				()					
#Skin: Hemangiosarcoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	()	Moon 0%	SD 0%			
						. ,		30 0%			
#Skin: Keratoacanthoma Overall Incidence	Total	4/50 (8%) 4/50 (8%)	Mean 8%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%			
#Skin: Lipoma		2/50 (4%)									
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%	Total	()	Mean 0%	SD 0%			
#Skin: Liposarcoma		0/50 (0%)				0/50 (0%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)		SD 0%			
#Skin: Neural Crest Tumor											
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%			

Version: Jun2013 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxic o Tumor Incide	Page: 233 Report Date: 06/05/2013				
			Male				Female	
#Skin: Neurofibroma or Schwann	oma benign	0/50 (0%)				1/50 (2%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
#Skin: Neurofibrosarcoma or Sch						0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skin: Neurofibrosarcoma, Neuro Overall Incidence				SD 0%	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%
#Skin: Sarcoma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
	TOLAI	()		50 0%		()	wean 0%	SD 0%
#Skin: Schwannoma Benign		0/50 (0%)				1/50 (2%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/50 (2%)	Mean 2%	SD 0%
#Skin: Schwannoma Malignant		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

Version: Jun2013 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC	S			ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ACETON		Page: 234 Report Date: 06/05/2013		
			Male				Female	
#Skin: Squamous Cell Carcinoma	a	0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skin: Squamous Cell Carcinoma or Carcinoma	a, Basal Cell (Carcinoma, Basosquamo 0/50 (0%)	us Tumor (malignar	nt or NOS),		0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skin: Squamous Cell Papilloma Overall Incidence	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Skin: Squamous Cell Papilloma						0/50 (0%)		
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skin: Squamous Cell Papilloma						0/50 (0%)		
Overall Incidence	Total	5/50 (10%)	Mean 10%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skin: Squamous Cell Papilloma		or Keratoacanthoma 5/50 (10%)				0/50 (0%)		
Overall Incidence	Total	5/50 (10%)	Mean 10%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*: Denominator is number of anima #: Denominator is number of anima		examined microscopically						

Version: Jun2013 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ACETON	Page: 235 Report Date: 06/05/2013			
			Male				Female	
#Skin: Trichoepithelioma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Skin: Sebaceous Gland:								
Adenoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Skin: Sebaceous Gland: Carcinoma or Adenoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Spinal Cord: Glioma Malignant		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Stomach, Glandular: Carcinoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Stomach, Glandular: Carcinoma or Adenoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

Version: Jun2013 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC			Toxico Tumor Incide	Page: 236 Report Date: 06/05/2013				
			Male		Female			
#Stomach, Glandular: Sarcoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Testes: Adenoma		27/50 (54%)						
Overall Incidence	Total	27/50 (54%)	Mean 54%	SD 0%				
*Testes: Hemangioma Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%				
*Thymus: Thymoma Benign Overall Incidence	Total	0/45 (0%) 0/45 (0%)	Mean 0%	SD 0%	Total	0/47 (0%) 0/47 (0%)	Mean 0%	SD 0%
*Thymus: Thymoma Malignant		0/45 (0%)				0/47 (0%)		
Overall Incidence	Total	0/45 (0%)	Mean 0%	SD 0%	Total	0/47 (0%)	Mean 0%	SD 0%
*Thymus: Thymoma NOS		0/45 (0%)				0/47 (0%)		
Overall Incidence	Total	0/45 (0%)	Mean 0%	SD 0%	Total	0/47 (0%)	Mean 0%	SD 0%

			nce for Selected Contr Route: SKIN	Page: 237 Report Date: 06/05/2013			
		Male				Female	
nt, NOS	0/45 (0%)				0/47 (0%)		
Total	0/45 (0%)	Mean 0%	SD 0%	Total	0/47 (0%)	Mean 0%	SD 0%
	8/50 (16%)				3/50 (6%)		
Total	8/50 (16%)	Mean 16%	SD 0%	Total	3/50 (6%)	Mean 6%	SD 0%
	1/50 (2%)				0/50 (0%)		
Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
	8/50 (16%)				3/50 (6%)		
Total	8/50 (16%)	Mean 16%	SD 0%	Total	3/50 (6%)	Mean 6%	SD 0%
					0/50 (0%)		
Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
					0/50 (0%)		
Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
	Total Total Total : Total :	$\begin{array}{cccc} & 0/45 & (0\%) \\ \hline Total & 0/45 & (0\%) \\ \hline Total & 8/50 & (16\%) \\ \hline Total & 8/50 & (16\%) \\ \hline Total & 1/50 & (2\%) \\ \hline Total & 1/50 & (2\%) \\ \hline Total & 8/50 & (16\%) \\ \hline Total & 8/50 & (16\%) \\ \hline Total & 0/50 & (0\%) \\ \hline Total & 0/50 & (0\%) \\ \hline \end{array}$	Male nt, NOS 0/45 (0%) Total 0/45 (0%) Mean 0% 0/45 (0%) Total 0/45 (0%) Mean 16% 0/45 (0%) Total 1/50 (2%) Total 1/50 (2%) Mean 2% 0/50 (16%) Mean 16% 0/50 (16%) Total 8/50 (16%) Mean 16% 0/50 (0%) Total 0/50 (0%) Mean 0% 0/50 (0%)	Tumor Incidence for Selected Contr Route: SKIN Vehicle: ACETONI Male mt, NOS 0/45 (0%) Total 0/50 (16%) Total 8/50 (16%) Total 1/50 (2%) Mean 16% SD 0% Total 8/50 (16%) Total 0/50 (0%) Total 0/50 (0%) Mean 0% SD 0% Colspan="2">SD 0%	Vehicle: ACETONE Male nt, NOS O(45 (0%) Mean 0% SD 0% Total Total 0/45 (0%) Mean 0% SD 0% Total Total 0/45 (0%) Mean 0% SD 0% Total Total 8/50 (16%) Mean 16% SD 0% Total Total 1/50 (2%) Mean 2% SD 0% Total Total 1/50 (2%) Mean 2% SD 0% Total Total 1/50 (2%) Mean 16% SD 0% Total Total 8/50 (16%) Mean 16% SD 0% Total 0/50 (0%) Mean 0% SD 0% Total	Tumor Incidence for Selected Control Animal Groups Route: SKIN Vehicle: ACETONE Male nt, NOS $0/45 (0\%)$ Mean 0% SD 0% Total $0/47 (0\%)$ Total $0/45 (0\%)$ Mean 0% SD 0% Total $0/47 (0\%)$ Total $0/45 (0\%)$ Mean 16% SD 0% Total $3/50 (6\%)$ Total $8/50 (16\%)$ Mean 16% SD 0% Total $3/50 (6\%)$ Total $1/50 (2\%)$ Mean 2% SD 0% Total $0/50 (0\%)$ Total $1/50 (2\%)$ Mean 16% SD 0% Total $3/50 (6\%)$ Total $8/50 (16\%)$ Mean 16% SD 0% Total $3/50 (6\%)$ Total $8/50 (16\%)$ Mean 16% SD 0% Total $3/50 (6\%)$ Total $0/50 (0\%)$ Mean 0% SD 0% Total $3/50 (6\%)$	Tumor Incidence for Selected Control Animal Groups Route: SKIN Vehicle: ACETONE Report Dat Numerical SKIN Vehicle: ACETONE Male Female nt, NOS 0/45 (0%) Mean 0% SD 0% Total 0/47 (0%) Mean 0% Total 0/45 (0%) Mean 0% SD 0% Total 0/47 (0%) Mean 0% Total 8/50 (16%) Mean 16% SD 0% Total 3/50 (6%) Mean 6% Total 1/50 (2%) Mean 16% SD 0% Total 3/50 (6%) Mean 6% Total 8/50 (16%) Mean 16% SD 0% Total 3/50 (6%) Mean 6% Total 8/50 (16%) Mean 16% SD 0% Total 3/50 (6%) Mean 6% Total 8/50 (16%) Mean 16% SD 0% Total 3/50 (6%) Mean 6% Total 0/50 (0%) Mean 16% SD 0% Total 0/50 (0%) Mean 0% Total 0/50 (0%) Mean 0% SD 0% Total 0/50 (0%) Mean 0% U <th< td=""></th<>

Version: Jun2013 Contract/Lab: All Laboratories Species: RATS Strain: F 344/N Length of Study: CHRONIC				ology Data Manageme ence for Selected Contr Route: SKIN Vehicle: ACETON	ol Animal Groups		Page: 238 Report Dat	e: 06/05/2013
			Male				Female	
*Thyroid Gland: Follicular Cel Carcinoma or Adenoma	l:	0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Tongue: Squamous Cell Carcinoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Tongue: Squamous Cell Carcinoma o Overall Incidence	or Papillom a Total	a Squamous 1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
#Tongue: Squamous Cell Papilloma		1/50 (2%)				0/50 (0%)		
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
#Tooth: Adamantinoma Malignant		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%
*Urinary Bladder: Carcinoma		0/50 (0%)				0/50 (0%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%

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						Page: 239 Report Date: 06/05/2013		
			Male				Female			
*Urinary Bladder: Carcinoma or Papilloma		0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
*Urinary Bladder: Hemangiosarcoma		0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
*Urinary Bladder: Papilloma		0/50 (0%)				0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%)	Mean 0%	SD 0%		
#Uterus: Adenoma						0/50 (0%)				
Overall Incidence					Total	0/50 (0%)	Mean 0%	SD 0%		
#Uterus: Carcinoma										
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		
#Uterus: Leiomyosarcoma										
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%		

/ersion: Jun2013 Contract/Lab: All Laboratories	Toxicology Data Management System Tumor Incidence for Selected Control Animal Gro	Page: 240 Report Date: 06/05/2013			
Species: RATS	Route: SKIN				
Strain: F 344/N	Vehicle: ACETONE				
ength of Study: CHRONIC					
	Male			Female	
#Uterus:					
Polyp Stromal			0/50 (400/)		
Overall Incidence	Tota	1	9/50 (18%) 9/50 (18%)	Mean 18%	SD 0%
tUterus:					
Sarcoma			0/50 (0%)		
Overall Incidence	Tota		0/50 (0%)	Mean 0%	SD 0%
#Uterus:					
Sarcoma Stromal					
Overall Incidence	Tota	1	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
fUterus:					
Sarcoma Stromal or Polyp Stromal					
Overall Incidence	Tota		9/50 (18%) 9/50 (18%)	Mean 18%	SD 0%
#Uterus:					
Schwannoma Malignant					
Overall Incidence	Tota	I	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
		•••••			
έVagina: Polyp					
i oiàb			1/50 (2%)		
Overall Incidence	Tota	I	1/50 (2%)	Mean 2%	SD 0%

Version: Jun2013 Contract/Lab: All Laboratorie Species: RATS Strain: F 344/N Length of Study: CHRONIC	s			blogy Data Manageme ence for Selected Contr Route: SKIN Vehicle: ACETON	ol Animal Groups		Page: 241 Report Dat	e: 06/05/2013
			Male				Female	
≇Vagina: Sarcoma						0/50 (0%)		
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
łVagina: Schwannoma Malignant						0/50 (00/)		
Overall Incidence					Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
Zymbal's Gland: Adenoma		1/50 (2%)				0/50 (0%)		
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
Zymbal's Gland: Carcinoma								
Overall Incidence	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%
Zymbal's Gland: Carcinoma or Adenoma						0/50 (0%)		
Overall Incidence	Total	1/50 (2%) 1/50 (2%)	Mean 2%	SD 0%	Total	0/50 (0%) 0/50 (0%)	Mean 0%	SD 0%