Contract/Lab: All Laboratories

Species: RATS

Strain: Harlan Sprague-Dawley **Length of Study:** CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

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Report Date: 05/17/2011

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
					Male		
Battelle Columbus Laboratory Battelle Columbus Laboratory	052030401 058814806	N/A 01/29/03	N/A 727	0(0) 50(3)	0(0) 28(665)	N/A 606.4	TEF evaluation (PCB 118) 3,3',4,4'-Tetrachloroazobenzene
					Female		
Battelle Columbus Laboratory Battelle Columbus Laboratory	052030401 058814806	03/26/04 01/30/03	733 727	52(5) 50(5)	21(616) 25(652)	383.5 385.7	TEF evaluation (PCB 118) 3,3',4,4'-Tetrachloroazobenzene

Contract/Lab: All Laboratories

Species: RATS

Strain: Harlan Sprague-Dawley **Length of Study:** CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

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			Male				Female	
#All Organs: Benign Tumors								
			40/50 (80%)			43/52 (83%)	40/50 (80%)	
Overall Incidence	Total	40/50 (80%)	Mean 80%	SD 0%	Total	83/102 (81.37%)	Mean 81.35%	SD 1.9%
#All Organs: Malignant Tumors								
			9/50 (18%)			15/52 (29%)	13/50 (26%)	
Overall Incidence	Total	9/50 (18%)	Mean 18%	SD 0%	Total	28/102 (27.45%)	Mean 27.42%	SD 2.01%
#All Organs: Malignant and Benign Tu	umors		44/50 (88%)			48/52 (92%)	44/50 (88%)	
Overall Incidence	Total	44/50 (88%)	Mean 88%	SD 0%	Total	92/102 (90.2%)	Mean 90.15%	SD 3.05%
#All Organs: Hemangiosarcoma Overall Incidence	Total	1/50 (2%)	1/50 (2%) Mean 2%	SD 0%	Total	1/52 (2%) 1/102 (0.98%)	0/50 (0%) Mean 0.96%	SD 1.36%
	TOLAI	1/30 (2/8)						
#All Organs: Hemangiosarcoma or He	emangioma		(20)			(00)	2(72 (22))	
Overall Incidence	Total	1/50 (2%)	1/50 (2%) Mean 2%	SD 0%	Total	1/52 (2%) 1/102 (0.98%)	0/50 (0%) Mean 0.96%	SD 1.36%
#All Organs: Histiocytic Sarcoma			0/50 (0%)			1/52 (2%)	1/50 (2%)	
Overall Incidence	Total	0/50 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	2/102 (1.96%)	Mean 1.96%	SD 0.05%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS

Strain: Harlan Sprague-Dawley **Length of Study:** CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Page: 5

			Male				Female				
#All Organs: Leukemia: Lymphocytic, Monocytic, Mononuclear, or Undifferentiated											
			1/50 (2%)			0/52 (0%)	1/50 (2%)				
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	1/102 (0.98%)	Mean 1%	SD 1.41%			
#All Organs:			or Undifferentiated Cell								
			1/50 (2%)			2/52 (4%)	0/50 (0%)				
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	2/102 (1.96%)	Mean 1.92%	SD 2.72%			
*Adrenal Cortex: Adenoma			1/50 (2%)			2/52 (4%)	1/50 (2%)				
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	3/102 (2.94%)	Mean 2.92%	SD 1.31%			
*Adrenal Cortex: Carcinoma Overall Incidence	Total	0/50 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	1/52 (2%) 1/102 (0.98%)	0/50 (0%) Mean 0.96%	SD 1.36%			
Overali incidence	ı olal	0/50 (0%)	iviean 0%	SD 0%	ı Olal	1/102 (0.96%)	iviean 0.96%	עפ			
*Adrenal Medulla: Pheochromocytoma Be	enign										
Overall Incidence	Total	5/50 (10%)	5/50 (10%) Mean 10%	SD 0%	Total	3/52 (6%) 6/102 (5.88%)	3/50 (6%) Mean 5.88%	SD 0.16%			
*Adrenal Medulla: Pheochromocytoma: B	Benign, Complex,	Malignant, NOS	5/50 (10%)			3/52 (6%)	3/50 (6%)				
Overall Incidence	Total	5/50 (10%)	Mean 10%	SD 0%	Total	6/102 (5.88%)	Mean 5.88%	SD 0.16%			

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS

Strain: Harlan Sprague-Dawley **Length of Study:** CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

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(2%)

SD 1.41%

Mean 1%

1/50

(0%)

0/52

Total

1/102 (0.98%)

Report Date: 05/17/2011

			Male				Female					
*Brain: Astrocytoma Benign												
Overall Incidence	Total	1/50 (2%)	1/50 (2%) Mean 2%	SD 0%	Total	0/52 (0%) 0/102 (0%)	0/50 (0%) Mean 0%	SD 0%				
	10tai	1/30 (276)	IVIEdII 270			0/102 (0%)		טעט עס				
Brain: Oligodendroglioma, Glion	na, or Astrocy	toma										
			1/50 (2%)			0/52 (0%)	0/50 (0%)					
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/102 (0%)	Mean 0%	SD 0%				
#Eye: Schwannoma Malignant Overall Incidence	Total	1/50 (2%)	1/50 (2%) Mean 2%	SD 0%	Total	0/52 (0%) 0/102 (0%)	0/50 (0%) Mean 0%	SD 0%				
#Intestine Small: Duodenun Carcinoma			0/50 (0%)			0/52 (0%)	1/50 (2%)					
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/102 (0.98%)	Mean 1%	SD 1.41%				
#Intestine Small: Site Unspe Carcinoma												
		0/50 (00/)	0/50 (0%)			0/52 (0%)	1/50 (2%)	05				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/102 (0.98%)	Mean 1%	SD 1.41%				

SD 0%

(0%)

0/50

Mean 0%

Total

0/50 (0%)

Overall Incidence

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS

Strain: Harlan Sprague-Dawley **Length of Study:** CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

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			Male				Female	
*Islets, Pancreatic: Adenoma								
			2/50 (4%)			0/52 (0%)	0/50 (0%)	
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%	Total	0/102 (0%)	Mean 0%	SD 0%
*Islets, Pancreatic: Carcinoma or Adenoma			2/50 (4%)			0/52 (0%)	0/50 (0%)	
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%	Total	0/102 (0%)	Mean 0%	SD 0%
*Kidney: Renal Tubule: Lipoma						•••••		
			0/50 (0%)			0/52 (0%)	1/50 (2%)	
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/102 (0.98%)	Mean 1%	SD 1.41%
*Liver: Cholangiocarcinoma			2(72)			2/22 (221)		
Overall Incidence	Total	0/50 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/52 (0%) 1/102 (0.98%)	1/50 (2%) Mean 1%	SD 1.41%
		` '						
*Liver: Cholangioma			0/50 (00)			4/50 (00()	0(50 (00))	
Overall Incidence	Total	0/50 (00/)	0/50 (0%)	CD 00/	Total	1/52 (2%)	0/50 (0%)	CD 4.260/
Overali incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/102 (0.98%)	Mean 0.96%	SD 1.36%
*Liver: Hepatocellular Adenoma			0/50 /08/			0/50 (00/)	2/50 /40/	
Overall Incidence	Total	0/50 (09/)	0/50 (0%)	SD 00/	Total	0/52 (0%)	2/50 (4%) Mean 2%	SD 2.83%
Overali incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	2/102 (1.96%)		

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS

Strain: Harlan Sprague-Dawley **Length of Study:** CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

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			Male				Female	
*Liver: Hepatocellular Carcino	ma or Hepatocel	lular Adenoma						
•	•		0/50 (0%)			0/52 (0%)	2/50 (4%)	
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	2/102 (1.96%)	Mean 2%	SD 2.83%
Liver: Hepatocellular Carcino								
			0/50 (0%)			0/52 (0%)	2/50 (4%)	
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	2/102 (1.96%)	Mean 2%	SD 2.83%
*Lung: Alveolar/Bronchiolar A	denoma		1/50 (2%)			0/51 (0%)	0/50 (0%)	
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/101 (0%)	Mean 0%	SD 0%
*Lung: Alveolar/Bronchiolar C	arcinoma		1/50 (2%)			0/51 (0%)	0/50 (0%)	
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/101 (0%)	Mean 0%	SD 0%
*Lung: Alveolar/Bronchiolar C			oma					
Overall Incidence	Total	2/50 (4%)	2/50 (4%) Mean 4%	SD 0%	Total	0/51 (0%) 0/101 (0%)	0/50 (0%) Mean 0%	SD 0%
#Mammary Gland: Adenoma								
O	Tatal	0/50 (00/)	0/50 (0%)	CD 00/	Tatal	0/52 (0%)	1/50 (2%)	CD 4 440/
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/102 (0.98%)	Mean 1%	SD 1.41%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS

Strain: Harlan Sprague-Dawley **Length of Study:** CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

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			Male				Female	
#Mammary Gland: Carcinoma								
		- / /	0/50 (0%)			2/52 (4%)	4/50 (8%)	
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	6/102 (5.88%)	Mean 5.92%	SD 2.94%
#Mammary Gland: Carcinoma or Adenom			0/50 (0%)			2/52 (4%)	5/50 (10%)	
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	7/102 (6.86%)	Mean 6.92%	SD 4.35%
#Mammary Gland: Fibroadenoma								
			0/50 (0%)			25/52 (48%)	31/50 (62%)	
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	56/102 (54.9%)	Mean 55.04%	SD 9.85%
#Mammary Gland: Fibroma, Fibroadenom	na or Adenoma							
		- / /)	0/50 (0%)			25/52 (48%)	31/50 (62%)	
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	56/102 (54.9%)	Mean 55.04%	SD 9.85%
#Mammary Gland: Fibroma, Fibroadenom								
			0/50 (0%)			27/52 (52%)	32/50 (64%)	
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	59/102 (57.84%)	Mean 57.96%	SD 8.54%
#Oral Cavity (Oral Mucos Squamous Cell Carcin	sa, Tongue, Phary							
			1/50 (2%)			0/52 (0%)	0/50 (0%)	
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/102 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS

Strain: Harlan Sprague-Dawley **Length of Study:** CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

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			Male				Female	
#Oral Cavity (Oral Mucos Squamous Cell Carcine			a					
-			1/50 (2%)			0/52 (0%)	0/50 (0%)	
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/102 (0%)	Mean 0%	SD 0%
#Oral Mucosa: Squamous Cell Carcin	oma		1/50 (2%)			0/52 (0%)	0/50 (0%)	
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/102 (0%)	Mean 0%	SD 0%
*Ovary: Granulosa Cell Tumor	Malignant							
						0/52 (0%)	1/50 (2%)	
Overall Incidence					Total	1/102 (0.98%)	Mean 1%	SD 1.41%
*Ovary: Granulosa Cell Tumor:	Benign, Maligna	ınt, NOS				0/52 (00/)	4/50 (20/)	
Overall Incidence					Total	0/52 (0%) 1/102 (0.98%)	1/50 (2%) Mean 1%	SD 1.41%
*Ovary: Luteoma								
Overall Incidence					Total	1/52 (2%) 1/102 (0.98%)	0/50 (0%) Mean 0.96%	SD 1.36%
*Pancreas: Adenoma								
		0/50 (4004)	9/50 (18%)	25		0/52 (0%)	0/50 (0%)	00.007
Overall Incidence	Total	9/50 (18%)	Mean 18%	SD 0%	Total	0/102 (0%)	Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS

Strain: Harlan Sprague-Dawley **Length of Study:** CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

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			Male				Female	
*Pancreas: Carcinoma								
Overall Incidence	Total	0/50 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/52 (0%) 1/102 (0.98%)	1/50 (2%) Mean 1%	SD 1.41%
*Pancreas: Carcinoma or Adenoma								
Overall Incidence	Total	9/50 (18%)	9/50 (18%) Mean 18%	SD 0%	Total	0/52 (0%) 1/102 (0.98%)	1/50 (2%) Mean 1%	SD 1.41%
*Parathyroid Gland: Adenoma								
Overall Incidence	Total	1/43 (2.33%)	1/43 (2%) Mean 2.33%	SD 0%	Total	0/47 (0%) 0/93 (0%)	0/46 (0%) Mean 0%	SD 0%
#Peripheral Nerve: Schwannoma Malignant			0/50 (0%)			0/52 (0%)	1/50 (2%)	
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/102 (0.98%)	Mean 1%	SD 1.41%
#Peripheral Nerve: Schwannoma: Benign, Mal								
Overall Incidence	Total	0/50 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/52 (0%) 1/102 (0.98%)	1/50 (2%) Mean 1%	SD 1.41%
*Pituitary Gland: Pars Distali Adenoma								
Overall Incidence	Total	13/50 (26%)	13/50 (26%) Mean 26%	SD 0%	Total	17/52 (33%) 30/102 (29.41%)	13/50 (26%) Mean 29.35%	SD 4.73%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS

Strain: Harlan Sprague-Dawley **Length of Study:** CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

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			Male				Female	
*Pituitary Gland: Pars Distal Carcinoma	is or Unspeci	fied Site:						
			0/50 (0%)			2/52 (4%)	0/50 (0%)	
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	2/102 (1.96%)	Mean 1.92%	SD 2.72%
*Pituitary Gland: Pars Distal Carcinoma or Adenoma								
			13/50 (26%)			19/52 (37%)	13/50 (26%)	
Overall Incidence	Total	13/50 (26%)	Mean 26%	SD 0%	Total	32/102 (31.37%)	Mean 31.27%	SD 7.45%
*Pituitary Gland: Pars Interm Adenoma								
			0/50 (0%)			0/52 (0%)	1/50 (2%)	
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/102 (0.98%)	Mean 1%	SD 1.41%
*Pituitary Gland: Pars Interm Carcinoma or Adenoma			0/50 (0%)			0/52 (0%)	1/50 (2%)	
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/102 (0.98%)	Mean 1%	SD 1.41%
*Prostate: Adenoma								
			5/50 (10%)					
Overall Incidence	Total	5/50 (10%)	Mean 10%	SD 0%				
*Prostate: Carcinoma or Adenoma			F/F0 (400)					
Overall Incidence	Total	E/EO (400/)	5/50 (10%)	CD 00/				
Overall Incidence	Total	5/50 (10%)	Mean 10%	SD 0%				

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS

Strain: Harlan Sprague-Dawley **Length of Study:** CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

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			Male				Female		
*Salivary Glands: Schwannoma Malignant									
_			1/50 (2%)			0/51 (0%)	0/50 (0%)		
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/101 (0%)	Mean 0%	SD 0%	
#Skeletal Muscle: Rhabdomyosarcoma									
Overall Incidence	Total	0/50 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	0/52 (0%) 1/102 (0.98%)	1/50 (2%) Mean 1%	SD 1.41%	
#Skeletal Muscle: Rhabdomyosarcoma or	Rhabdomyoma		0/50 (0%)			0/52 (0%)	1/50 (2%)		
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/102 (0.98%)	Mean 1%	SD 1.41%	
#Skin: Basal Cell Adenoma			1/50 (2%)			0/52 (0%)	0/50 (0%)		
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/102 (0%)	Mean 0%	SD 0%	
#Skin: Basal Cell Adenoma or I	Basosquamous	Tumor Benign							
		•	1/50 (2%)			0/52 (0%)	0/50 (0%)		
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/102 (0%)	Mean 0%	SD 0%	
#Skin: Basal Cell Adenoma, Ba	sosquamous Tu	umor Benign, or Tricho	=			0/50 (00)	0/50 (00/)		
Overall Incidence	Total	1/50 (2%)	1/50 (2%) Mean 2%	SD 0%	Total	0/52 (0%) 0/102 (0%)	0/50 (0%) Mean 0%	SD 0%	

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Species: RATS

Toxicology Data Management System

Contract/Lab: All Laboratories Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES

Strain: Harlan Sprague-Dawley Length of Study: CHRONIC

Vehicle: ALL VEHICLES

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			Male				Female	
#Skin: Basal Cell Carcinoma, NOS), or Trichoepitheli		oma, Basosquamous T	umor (benign, malignan	t or				
Overall Incidence	Total	1/50 (2%)	1/50 (2%) Mean 2%	SD 0%	Total	0/52 (0%) 0/102 (0%)	0/50 (0%) Mean 0%	SD 0%
#Skin:	noma, Carcinom	a, Basosq. Tumor (M o	r B), Basal Cell Adenoma epithelioma 3/50 (6%)			1/52 (2%)	0/50 (0%)	
Overall Incidence	Total	3/50 (6%)	Mean 6%	SD 0%	Total	1/102 (0.98%)	Mean 0.96%	SD 1.36%
#Skin: Fibroma			5/50 (10%)			2/52 (4%)	0/50 (0%)	
Overall Incidence	Total	5/50 (10%)	Mean 10%	SD 0%	Total	2/102 (1.96%)	Mean 1.92%	SD 2.72%
#Skin: Fibroma, Fibrosarcoma Overall Incidence				SD 0%	Total	2/52 (4%) 2/102 (1.96%)	0/50 (0%) Mean 1.92%	SD 2.72%
#Skin: Hemangiosarcoma			1/50 (2%)			1/52 (2%)	0/50 (0%)	
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	1/102 (0.98%)	Mean 0.96%	SD 1.36%
#Skin: Keratoacanthoma			2/50 (4%)			1/52 (2%)	0/50 (0%)	
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%	Total	1/102 (0.98%)	Mean 0.96%	SD 1.36%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS

Strain: Harlan Sprague-Dawley **Length of Study:** CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

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			Male				Female				
#Skin: Neural Crest Tumor											
			1/50 (2%)			0/52 (0%)	0/50 (0%)				
Overall Incidence	Total	1/50 (2%)	Mean 2%	SD 0%	Total	0/102 (0%)	Mean 0%	SD 0%			
#Skin: Neurofibrosarcoma or	Schwannoma (m	alignant or NOS)									
	(angham of 1100,	0/50 (0%)			1/52 (2%)	0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/102 (0.98%)	Mean 0.96%	SD 1.36%			
Neurofibrosarcoma, Ne	Total	0/50 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	1/52 (2%) 1/102 (0.98%)	0/50 (0%) Mean 0.96%	SD 1.36%			
·	·	, ,	0/50 (0%)	SD 0%	Total	` ,	` '	SD 1.36%			
#Skin: Schwannoma Malignar	nt		0/50 (0%)			1/52 (2%)	0/50 (0%)				
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/102 (0.98%)	Mean 0.96%	SD 1.36%			
#Skin: Squamous Cell Papillo	ma, Papilloma, S	quamous Cell Carcino	ma or Keratoacanthoma	ı							
			2/50 (4%)			1/52 (2%)	0/50 (0%)				
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%	Total	1/102 (0.98%)	Mean 0.96%	SD 1.36%			
#Skin: Squamous Cell Papillo	ma, Papilloma, o	r Keratoacanthoma									
			2/50 (4%)			1/52 (2%)	0/50 (0%)				
Overall Incidence	Total	2/50 (4%)	Mean 4%	SD 0%	Total	1/102 (0.98%)	Mean 0.96%	SD 1.36%			

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Toxicology Data Management System

Contract/Lab: All Laboratories

Species: RATS

Strain: Harlan Sprague-Dawley Length of Study: CHRONIC

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES Vehicle: ALL VEHICLES **Page:** 16

			Male		Female			
*Testes: Adenoma Overall Incidence	Total	2/50 (///)	2/50 (4%) Mean 4%	SD 0%				
Overali incidence	Total	2/50 (4%)	wean 4%	SD 0%				
*Thyroid Gland: C-Cell: Adenoma			40/50 (000/)			0/54 /400/)	40/50 (00%)	
Overall Incidence	Total	13/50 (26%)	13/50 (26%) Mean 26%	SD 0%	Total	9/51 (18%) 19/101 (18.81%)	10/50 (20%) Mean 18.82%	SD 1.66%
*Thyroid Gland: C-Cell: Carcinoma								
Overall Incidence	Total	1/50 (2%)	1/50 (2%) Mean 2%	SD 0%	Total	2/51 (4%) 3/101 (2.97%)	1/50 (2%) Mean 2.96%	SD 1.36%
*Thyroid Gland: C-Cell: Carcinoma or Adenoma			13/50 (26%)			11/51 (22%)	11/50 (22%)	
Overall Incidence	Total	13/50 (26%)	Mean 26%	SD 0%	Total	22/101 (21.78%)	Mean 21.78%	SD 0.31%
*Thyroid Gland: Follicular Cel Adenoma								
Overall Incidence	Total	0/50 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	1/51 (2%) 1/101 (0.99%)	0/50 (0%) Mean 0.98%	SD 1.39%
*Thyroid Gland: Follicular Cel Carcinoma or Adenoma								
Overall Incidence	Total	0/50 (0%)	0/50 (0%) Mean 0%	SD 0%	Total	1/51 (2%) 1/101 (0.99%)	0/50 (0%) Mean 0.98%	SD 1.39%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS

Strain: Harlan Sprague-Dawley Length of Study: CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES Vehicle: ALL VEHICLES Page: 17

			Male				Female	
#Tooth: Odontoma								
		- (()	0/50 (0%)			1/52 (2%)	0/50 (0%)	
Overall Incidence	Total	0/50 (0%)	Mean 0%	SD 0%	Total	1/102 (0.98%)	Mean 0.96%	SD 1.36%
#Uterus: Carcinoma								
						2/52 (4%)	1/50 (2%)	
Overall Incidence					Total	3/102 (2.94%)	Mean 2.92%	SD 1.31%
#Uterus: Polyp Stromal								
						3/52 (6%)	8/50 (16%)	
Overall Incidence					Total	11/102 (10.78%)	Mean 10.88%	SD 7.23%
#Uterus: Sarcoma Stromal or Polyp Str	romal							
						3/52 (6%)	8/50 (16%)	25 - 222/
Overall Incidence					Total	11/102 (10.78%)	Mean 10.88%	SD 7.23%
#Uterus: Schwannoma Malignant								
						1/52 (2%)	0/50 (0%)	
Overall Incidence					Total	1/102 (0.98%)	Mean 0.96%	SD 1.36%
#Uterus: Squamous Cell Carcinoma								
						0/52 (0%)	1/50 (2%)	
Overall Incidence					Total	1/102 (0.98%)	Mean 1%	SD 1.41%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied

Contract/Lab: All Laboratories

Species: RATS

Strain: Harlan Sprague-Dawley **Length of Study:** CHRONIC

Toxicology Data Management System

Tumor Incidence for Selected Control Animal Groups

Route: ALL ROUTES
Vehicle: ALL VEHICLES

Page: 18

			Male				Female	
#Vagina: Polyp								
Overall Incidence					Total	1/52 (2%) 1/102 (0.98%)	0/50 (0%) Mean 0.96%	SD 1.36%
#Vagina: Squamous Cell Carcinoma								
Overall Incidence					Total	1/52 (2%) 1/102 (0.98%)	0/50 (0%) Mean 0.96%	SD 1.36%
#Zymbal's Gland: Carcinoma								
Overall Incidence	Total	1/50 (2%)	1/50 (2%) Mean 2%	SD 0%	Total	0/52 (0%) 0/102 (0%)	0/50 (0%) Mean 0%	SD 0%
#Zymbal's Gland: Carcinoma or Adenoma								
Overall Incidence	Total	1/50 (2%)	1/50 (2%) Mean 2%	SD 0%	Total	0/52 (0%) 0/102 (0%)	0/50 (0%) Mean 0%	SD 0%

^{*:} Denominator is number of animals with tissues examined microscopically

^{#:} Denominator is number of animals necropsied