

Table 16 - continued  
Histopathological findings  
Male, Female, 52w

Organs and findings	Sex Group and dose Number of animals	Male																		
		Control				0.1 mg/kg				0.5 mg/kg				2.5 mg/kg						
		10				8				10				10						
		-	+	++	+++	Total	-	+	++	+++	Total	-	+	++	+++	Total	-	+	++	+++
Musculoskeletal system																				
Sternum																				
Femur																				
Integumentary system																				
Integument																				
Others																				
Extremity																				
Ulcer, hindlimb		0	4	1	0	5														

Not significantly different from control.

Grade sign: -, none; +, mild; ++, moderate; +++, marked.

NR: no remarkable changes.

Figures in parentheses are number of animals with tissues examined histopathologically.

Two males in the 0.1 mg/kg group died.



Table 16 - continued  
Histopathological findings  
Male, Female, 52w

Organs and findings	Sex	Group and dose	Number of animals	Female																			
				Control					0.5 mg/kg					2.5 mg/kg					12.5 mg/kg				
				10					10					10					9				
				-	+	++	+++	Total	-	+	++	+++	Total	-	+	++	+++	Total	-	+	++	+++	Total
Digestive system																							
Pancreas																							
				(10)					(0)					(0)					(9)				
Atrophy, acinus, focal				9	1	0	0	1											9	0	0	0	0
Hyperplasia, acinar cell, focal				10	0	0	0	0											9	0	0	0	0
Cellular infiltration, lymphocyte				10	0	0	0	0											8	1	0	0	1
Fibrosis, islet				10	0	0	0	0											9	0	0	0	0
Respiratory system																							
Trachea																							
				(10)					(0)					(0)					(9)				
Cellular infiltration, lamina propria, neutrophil				10	0	0	0	0											8	1	0	0	1
Lung																							
				(10)					(0)					(0)					(9)				
Accumulation, foam cell, alveolus				6	4	0	0	4											5	4	0	0	4
Pneumonia, aspiration				10	0	0	0	0											9	0	0	0	0
Mineralization, artery				9	1	0	0	1											7	2	0	0	2
Hematopoietic system																							
Thymus																							
Atrophy				1	8	1	0	9	(0)					(0)					(9)				
Submaxillary lymph node				NR (10)					(0)					(0)					NR (9)				
Popliteal lymph node				(0)					(0)					(0)					(0)				
Proliferation, plasma cell																							
Mesenteric lymph node				NR (10)					(0)					(0)					NR (9)				
Spleen																							
				(10)					(0)					(0)					(9)				
Thickening, capsule				10	0	0	0	0											9	0	0	0	0
Hematopoiesis, extramedullary				8	2	0	0	2											8	1	0	0	1
Deposit, pigment, red pulp, brown				9	1	0	0	1											7	2	0	0	2
Bone marrow (sternum)																							
				(10)					(0)					(0)					(9)				
Atrophy, focal				10	0	0	0	0											8	1	0	0	1

Not significantly different from control.

Grade sign: -, none; +, mild; ++, moderate; +++, marked.

NR: no remarkable changes.

Figures in parentheses are number of animals with tissues examined histopathologically.

One female in the 12.5 mg/kg group died.

Table 16 - continued

Histopathological findings  
Male, Female, 52w

Organs and findings	Sex		Female																	
	Group and dose		Control				0.5 mg/kg				2.5 mg/kg				12.5 mg/kg					
	Number of animals		10				10				10				9					
	-	+	++	+++	Total	-	+	++	+++	Total	-	+	++	+++	Total	-	+	++	+++	Total
Hematopoietic system																				
Bone marrow (femur)																				
Atrophy, focal																				
Hematopoiesis, increased																				
Cardiovascular system																				
Heart																				
Cellular infiltration, mononuclear cell																				
Fibrosis, myocardium																				
Aorta																				
Urinary system																				
Kidney																				
Hyperplasia, epithelial cell, tubule																				
Hyperplasia, transitional cell, pelvis																				
Tubule, basophilic																				
Cast, proteinaceous																				
Hemorrhage, pelvis																				
Cellular infiltration, mononuclear cell, pelvis																				
Cellular infiltration, mononuclear cell, cortex																				
Cellular infiltration, pelvis, neutrophil																				
Cellular infiltration, cortex, neutrophil																				
Cellular exudation, pelvic cavity, neutrophil																				
Mineralization, papilla																				
Mineralization, pelvis																				
Urinary bladder																				
Cellular infiltration, muscular layer, neutrophil																				

Not significantly different from control.

Grade sign: -, none; +, mild; ++, moderate; +++, marked.

NR: no remarkable changes.

Figures in parentheses are number of animals with tissues examined histopathologically.

One female in the 12.5 mg/kg group died.

Table 16 - continued      Histopathological findings  
Male, Female, 52w

Organs and findings	Sex	Group and dose	Female																			
			Control					0.5 mg/kg					2.5 mg/kg					12.5 mg/kg				
			10					10					10					9				
			-	+	++	+++	Total	-	+	++	+++	Total	-	+	++	+++	Total	-	+	++	+++	Total
Genital system																						
Testis																						
Atrophy, seminiferous tubule																						
Hyperplasia, leydig cell, focal																						
Epididymis																						
Decrease, sperm, lumen																						
Cellular infiltration, mononuclear cell																						
Prostate																						
Atrophy																						
Hemorrhage																						
Cellular infiltration, mononuclear cell																						
Seminal vesicle																						
Ovary																						
Dilatation, ovarian bursa																						
Cyst																						
Uterus																						
Metaplasia, epithelial cell, gland, squamous																						
Polyp, endometrial stromal																						
Vagina																						
Degeneration, epithelium, mucous																						
Mammary gland																						
Hyperplasia, lobular																						
Ectasia, alveolus/duct																						
Adenoma																						
Fibroadenoma																						
Adenocarcinoma																						

Not significantly different from control.

Grade sign: -, none; +, mild(existent of tumor); ++, moderate; +++, marked.

NR: no remarkable changes.

NA: not applicable.

Figures in parentheses are number of animals with tissues examined histopathologically.

One female in the 12.5 mg/kg group died.



Table 16 - continued

Histopathological findings  
Male, Female, 52w

Organs and findings	Sex	Group and dose	Female																		
			Control				0.5 mg/kg				2.5 mg/kg				12.5 mg/kg						
			10				10				10				9						
Number of animals		-	+	++	+++	Total	-	+	++	+++	Total	-	+	++	+++	Total	-	+	++	+++	Total
Musculoskeletal system																					
Sternum		NR (10)				(0)				(0)				NR (9)							
Femur		NR (10)				(0)				(0)				NR (9)							
Integumentary system																					
Integument		NR (10)				(0)				(0)				NR (9)							
Others																					
Exiremity		(1)				(0)				(0)				(2)							
Ulcer, hindlimb		0	1	0	0	1											0	2	0	0	2

Not significantly different from control.

Grade sign: -, none; +, mild; ++, moderate; +++, marked.

NR: no remarkable changes.

Figures in parentheses are number of animals with tissues examined histopathologically.

One female in the 12.5 mg/kg group died.