# Summary of Microscopic Observations - FEMALE Terminal

		eminai		
		Gro	up 1	
Tissue				
Observation	Severity	DOS	SNC	
Number of Animals Examined		19	51	
adrenal glands		(19)	(51)	
adenoma, cortical, benign, primary		0	1	
angiectasis/cystic degeneration, focal cortical		11	41	
	- minimal	1	10	
	- mild	8	30	
	- moderate	0	1	
	- severe	2	0	
hyperplasia, focal cortical		1	6	
	- minimal	0	3	
	- mild	0	3	
	- severe	1	0	
hyperplasia, focal medullary		4	28	
	- minimal	3	23	
	- mild	1	5	
hypertrophy, focal cortical	- minimal	0	2	
lymphoma, malignant, multicentric		2	0	
mineralization	- minimal	0	1	
pheochromocytoma, benign, primary		2	1	
within normal limits		6	4	
aorta		(19)	(51)	
mineralization	- mild	1	0	

DOS - Died or euthanized on study

# Summary of Microscopic Observations - FEMALE Terminal

		renninai		
		Gro	up 1	
Tissue Observation	Severity	DOS	SNC	
Number of Animals Examined		19	51	
aorta within normal limits		(19) 18	(51) 51	
bile duct, extrahepatic dilation	- mild	(0) 0	(2) 2	
<b>bone marrow, femur</b> hyperplasia, mixed lymphoma, malignant, multicentric within normal limits	- mild	(19) 1 2 16	(51) 1 0 50	
<b>bone marrow, sternum</b> hyperplasia, mixed lymphoma, malignant, multicentric within normal limits	- mild	(19) 1 2 16	(51) 1 0 50	
<b>bone, femur</b> within normal limits		(19) 19	(51) 51	
<b>bone, sternum</b> within normal limits		(19) 19	(51) 51	
brain carcinoma, pars distalis, malignant, secondary		(19) 0	(51) 1	

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### Summary of Microscopic Observations - FEMALE Terminal

	Terrillia					
			Gro	up 1		
Tissue						
Observation	Severity		DOS	SNC		
Number of Animals Examined			19	51		
brain			(19)	(51)		
compression/hydrocephalus (pituitary tumor)			7	13		
	- minimal		0	1		
	- mild		0	1		
	- moderate		7	11		
granular cell tumor, benign, primary			0	1		
granular cell tumor, malignant, primary			1	0		
lymphoma, malignant, multicentric			1	0		
within normal limits			10	38		
cavity, oral			(1)	(2)		
erosion/ulcer	- mild		1	0		
inflammation, subacute/chronic	- mild		0	1		
keratoacanthoma, benign, primary			0	1		
clitoral glands			(19)	(49)		
carcinoma, squamous cell, malignant, primary			1	0		
dilatation/inflammation			4	11		
	- minimal 0	1				
	- mild 2	9				
	- moderate	2	1			
infiltration, mononuclear cell	- minimal		1	0		
within normal limits			13	38		

DOS - Died or euthanized on study

# Summary of Microscopic Observations - FEMALE Terminal

		Ciminal		
		Gro	up 1	
Tissue				
Observation	Severity	DOS	SNC	
Number of Animals Examined		19	51	
esophagus		(19)	(51)	
within normal limits		19	51	
eyes		(19)	(51)	
degeneration/atrophy, retina, bilateral	- mild	0	2	
degeneration/atrophy, retina, unilateral		0	7	
	- minimal	0	2	
	- mild	0	3	
	- moderate	0	2	
swelling, lens fibers		0	5	
	- minimal	0	1	
	- mild	0	3	
	- moderate	0	1	
within normal limits		19	40	
eyes, optic nerves		(19)	(51)	
within normal limits		19	51	
galt		(19)	(51)	
lymphoma, malignant, multicentric		1	0	
within normal limits		18	51	
harderian glands		(19)	(51)	
atrophy	- mild	0	2	

# Summary of Microscopic Observations - FEMALE Terminal

		ommu		
		Gro	up 1	
Tissue				
Observation	Severity	DOS	SNC	
Number of Animals Examined		19	51	
harderian glands		(19)	(51)	
hyperplasia, focal	- minimal	0	1	
infiltration, mononuclear cell	- minimal	0	1	
within normal limits		19	47	
heart		(19)	(51)	
cardiomyopathy		13	35	
	- minimal	8	30	
	- mild	4	5	
	- moderate	1	0	
mineralization	- mild	1	0	
within normal limits		6	16	
joint, tibiofemoral		(19)	(51)	
degenerative joint disease		0	6	
	- mild	0	5	
	- moderate	0	1	
within normal limits		19	45	
kidneys		(19)	(51)	
calculus/calculi	- minimal	О́	ົ1໌	
dilation, pelvic	- minimal	2	2	
lymphoma, malignant, multicentric		2	0	

DOS - Died or euthanized on study

# Summary of Microscopic Observations - FEMALE Terminal

		Cro	up 1	
		Gro	up 1	
Tissue	- ·			
Observation	Severity	DOS	SNC	
Number of Animals Examined		19	51	
kidneys		(19)	(51)	
mineralization		8	32	
	- minimal	4	25	
	- mild	4	7	
nephropathy, chronic progressive		9	42	
	- minimal	4	28	
	- mild	3	12	
	- moderate	0	1	
	- severe	2	1	
pyelitis		0	2	
	- minimal	0	1	
	- moderate	0	1	
within normal limits		4	4	
lacrimal glands, exorbital		(19)	(51)	
metaplasia, harderian		1	9	
	- minimal	1	7	
	- mild	0	2	
within normal limits		18	42	
large intestine, cecum		(19)	(51)	
leiomyosarcoma, malignant, primary		0	1	
within normal limits		19	50	

DOS - Died or euthanized on study

# Summary of Microscopic Observations - FEMALE Terminal

		Gro	in 1	
Tissue		010	~P '	
Observation	Severity	DOS	SNC	
Number of Animals Examined		19	51	
large intestine, colon within normal limits		(19) 19	(51) 51	
large intestine, rectum within normal limits		(19) 19	(51) 51	
larynx within normal limits		(19) 19	(51) 51	
liver adenoma, hepatocellular, benign, primary cholangioma, benign, primary cyst, biliary		(19) 0 1 0	(51) 1 0 2	
degeneration, cystic, focal	- minimal - moderate - minimal	0 0 1	1 1 0	
focus of cellular alteration, basophilic	- minimal - mild	0 0 0	11 8 3	
focus of cellular alteration, clear	- minimal	3 2	6 3	
hematopoiesis, extramedullary	- mild - moderate - minimal	0 1 1	3 0 6	

DOS - Died or euthanized on study

# Summary of Microscopic Observations - FEMALE Terminal

		remina					
			Grou	up 1			
Tissue							
Observation	Severity		DOS	SNC			
Number of Animals Examined			19	51			
liver			(19)	(51)			
hemorrhage	- mild		0	1			
hyperplasia, bile duct			2	23			
	- minimal		1	17			
	- mild		1	5			
	- moderate		0	1			
infiltration, mononuclear cell			5	13			
	- minimal		5	12			
	- mild		0	1			
lymphoma, malignant, multicentric			3	0			
necrosis, focal	- mild		0	1			
vacuolation, increased lipid	- moderate		0	1			
vacuolation, periportal	- mild		1	0			
within normal limits			6	16			
lung			(19)	(51)			
granuloma, foreign body	- moderate		0	1			
histiocytosis, alveolar			6	18			
•	- minimal 5	7					
	- mild 1	10					
	- moderate	0	1				
hyperplasia, bronchiolar-alveolar	- minimal		0	1			
inflammation, granulomatous	- minimal		1	0			
inflammation, subacute/chronic	- minimal		0	1			

DOS - Died or euthanized on study

SNC - Scheduled necropsy () - Number observed

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# Summary of Microscopic Observations - FEMALE Terminal

		Gro	up 1	 
<b>Fissue</b>				
Observation	Severity	DOS	SNC	 
Number of Animals Examined		19	51	
lung		(19)	(51)	
lymphoma, malignant, multicentric		2	0	
metaplasia, osseous	- minimal	0	1	
mineralization	- mild	1	0	
pneumonitis, uremic	- mild	1	0	
within normal limits		11	32	
lymph node, axillary		(3)	(7)	
within normal limits		3	7	
lymph node, hepatic		(0)	(1)	
within normal limits		0	1	
lymph node, iliac		(1)	(1)	
within normal limits		1	1	
lymph node, inguinal		(0)	(2)	
within normal limits		0	2	
lymph node, mandibular		(19)	(51)	
lymphoma, malignant, multicentric		1	0	
within normal limits		18	51	

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DOS - Died or euthanized on study

### Summary of Microscopic Observations - FEMALE Terminal

	I erminal						
		Group 1					
Tissue							
Observation	Severity		DOS	SNC			
Number of Animals Examined			19	51			
lymph node, mediastinal			(0)	(1)			
within normal limits			0	1			
lymph node, mesenteric			(19)	(51)			
depletion, lymphoid, generalized	- severe		1	0			
dilation, sinus	- moderate		1	0			
erythrocytosis/erythrophagocytosis, sinus	- mild		2	1			
hyperplasia, lymphocyte/plasmacyte, medulla	- mild		0	1			
lymphoma, malignant, multicentric			1	0			
within normal limits			16	49			
mammary gland			(19)	(51)			
adenocarcinoma, malignant, primary			1	7			
adenoma, benign, primary			0	4			
dilation, gland/lumen			1	4			
	- mild 1	3					
	- moderate	0	1				
fibroadenoma, benign, primary			4	11			
hyperplasia, lobular			7	29			
	- minimal 2	11					
	- mild 3	14					
	- moderate	2	2				
	- severe 0	2					
inflammation, granulomatous	- mild		1	0			

DOS - Died or euthanized on study

# Summary of Microscopic Observations - FEMALE Terminal

		Gro	up 1		
Tissue					
Observation	Severity	DOS	SNC		
Number of Animals Examined		19	51		
mammary gland		(19)	(51)		
within normal limits		8	12		
mesentery/peritoneum		(3)	(4)		
hemorrhage	- moderate	1	0		
lipoma, benign, primary		1	1		
necrosis, fat		1	3		
	- mild	1	0		
	- moderate	0	3		
multicentric neoplasm		(4)	(2)		
hemangiosarcoma, malignant, multicentric		1	1		
lymphoma, malignant, multicentric		3	1		
nerve, sciatic		(19)	(51)		
degeneration, axonal/myelin		9	42		
	- minimal	9	41		
	- mild	0	1		
within normal limits		10	9		
nose, level a		(19)	(51)		
within normal limits		19	51		
nose, level a	- mild	10 (19)	(51)		

DOS - Died or euthanized on study

### Summary of Microscopic Observations - FEMALE Terminal

			rennii	nai	
				Gro	up 1
Tissue					
Observation	Severity			DOS	SNC
Number of Animals Examined				19	51
nose, level b				(19)	(51)
within normal limits				19	51
nose, level c				(19)	(51)
fungus/yeast	- modera	te		٥́	ົ1໌
within normal limits				19	50
nose, level d				(19)	(51)
lymphoma, malignant, multicentric				1	0
within normal limits				18	51
ovaries				(19)	(51)
cyst				0	2
,	- modera	te	0	1	
	- severe	0	1		
hyperplasia, sex-cord/stromal		-	-	0	3
71 - 1	- mild	0	2	-	•
	- severe	-	1		
lipoma, benign, primary		-	•	0	1
sex-cord/stromal tumor, malignant, primary				0	4
within normal limits				19	42
				-	
oviducts				(19)	(51)
sex-cord/stromal tumor, malignant, secondary				0	1

# Summary of Microscopic Observations - FEMALE Terminal

		Ciminal		
		Gro	up 1	
Tissue				
Observation	Severity	DOS	SNC	
Number of Animals Examined		19	51	
oviducts		(19)	(51)	
within normal limits		19	50	
pancreas		(19)	(51)	
adenoma, islet cell, benign, primary		0	ົ1໌	
atrophy, acinar	- minimal	1	0	
hyperplasia, acinar cell, focal	- mild	1	0	
lipomatosis	- mild	3	2	
within normal limits		14	48	
parathyroid glands		(15)	(38)	
hyperplasia, focal	- mild	0	ົ1໌	
within normal limits		15	37	
oharynx		(19)	(51)	
within normal limits		19	51	
pituitary gland		(19)	(51)	
adenoma, pars distalis, benign, primary		11	32	
carcinoma, pars distalis, malignant, primary		0	1	
hyperplasia, focal, pars distalis		2	10	
	- minimal	2	2	
	- mild	0	7	
	- moderate	0	1	

### Summary of Microscopic Observations - FEMALE Terminal

		reminal		
	Group 1			
Tissue				
Observation	Severity	DOS	SNC	
Number of Animals Examined		19	51	
pituitary gland		(19)	(51)	
hyperplasia, pars intermedia	- moderate	0	ົ1໌	
within normal limits		6	9	
salivary gland, mandibular		(19)	(51)	
within normal limits		19 <sup>´</sup>	51	
salivary gland, parotid		(19)	(51)	
atrophy		1	ົ1໌	
	- mild 1	0		
	- moderate	0 1		
within normal limits		18	50	
salivary gland, sublingual		(19)	(51)	
mineralization	- moderate	1	0	
within normal limits		18	51	
skeletal muscle, biceps femoris		(19)	(51)	
degeneration/necrosis, myofiber	- minimal	1	0	
hemangiosarcoma, malignant, multicentric		1	0	
within normal limits		17	51	
skin		(19)	(51)	
erosion/ulcer	- moderate	2	0	

DOS - Died or euthanized on study

SNC - Scheduled necropsy () - Number observed

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# Summary of Microscopic Observations - FEMALE Terminal

	Group 1			
Tissue		GIU	μı	
Observation	Severity	DOS	SNC	
Number of Animals Examined		19	51	
skin		(19)	(51)	
inflammation, subacute/chronic	- moderate	1	0	
within normal limits		17	51	
skin, subcutis		(1)	(2)	
hemangiosarcoma, malignant, multicentric		0	1	
lipoma, benign, primary		0	1	
schwannoma, malignant, primary		1	0	
small intestine, duodenum		(19)	(51)	
within normal limits		19	51	
small intestine, ileum		(19)	(51)	
within normal limits		19	<sup>`</sup> 51	
small intestine, jejunum		(19)	(51)	
dilation	- severe	0	1	
erosion/ulcer	- mild	ů 0	1	
within normal limits		19	50	
		-		
spinal cord, cervical		(19)	(51)	
lymphoma, malignant, multicentric		1	0	
within normal limits		18	51	

DOS - Died or euthanized on study

# Summary of Microscopic Observations - FEMALE Terminal

		eminai		
		Gro	up 1	
Tissue				
Observation	Severity	DOS	SNC	
Number of Animals Examined		19	51	
spinal cord, lumbar		(19)	(51)	
lymphoma, malignant, multicentric		1	0	
within normal limits		18	51	
spinal cord, thoracic		(19)	(51)	
lymphoma, malignant, multicentric		1	0	
within normal limits		18	51	
spleen		(19)	(51)	
hematopoiesis, extramedullary, increased		8	24	
	- minimal	4	19	
	- mild	3	4	
	- moderate	1	1	
lymphoma, malignant, multicentric		3	0	
within normal limits		8	27	
stomach, glandular		(19)	(51)	
within normal limits		19	51	
stomach, nonglandular		(19)	(51)	
carcinoma, squamous cell, malignant, primary		0	1	
erosion/ulcer	- minimal	0	1	
hyperplasia, squamous cell	- mild	1	1	
within normal limits		18	49	

### Summary of Microscopic Observations - FEMALE Terminal

		Terrininai		
		Gro		
Tissue				
Observation	Severity	DOS	SNC	
Number of Animals Examined		19	51	
thymus		(19)	(51)	
depletion, lymphoid, generalized		16	41	
	- minimal	2	1	
	- mild	2	12	
	- moderate	9	25	
	- severe	3	3	
hyperplasia, epithelial cell		2	20	
	- minimal	1	12	
	- mild	1	8	
lymphoma, malignant, multicentric		1	0	
thymoma, benign, primary		1	5	
within normal limits		1	3	
thyroid gland		(19)	(51)	
adenoma, c-cell, benign, primary		0	9	
adenoma, follicular cell, benign, primary		0	4	
hemorrhage	- mild	0	1	
hyperplasia, c-cell, diffuse		0	2	
	- minimal 0	1		
	- mild 0	1		

DOS - Died or euthanized on study

- SNC Scheduled necropsy () Number observed

# Summary of Microscopic Observations - FEMALE Terminal

		Cirininai		
		Gro	up 1	
Tissue				
Observation	Severity	DOS	SNC	
Number of Animals Examined		19	51	
thyroid gland		(19)	(51)	
hyperplasia, c-cell, focal		2	18	
	- minimal	0	10	
	- mild	1	7	
	- moderate	1	1	
hyperplasia, follicular cell	- mild	0	1	
within normal limits		17	20	
tongue		(19)	(51)	
mineralization, vascular	- minimal	1	0	
within normal limits		18	51	
tooth/teeth		(1)	(1)	
odontodysplasia		1	1	
	- mild	0	1	
	- moderate	1	0	
trachea		(19)	(51)	
within normal limits		19	<b>5</b> 1	
ureters		(19)	(50)	
dilation	- severe	Ò	ົ1໌	
inflammation, subacute/chronic	- moderate	0	1	
within normal limits		19	49	

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DOS - Died or euthanized on study

# Summary of Microscopic Observations - FEMALE Terminal

	Group 1			
Tissue			•	
Observation	Severity	DOS	SNC	
Number of Animals Examined		19	51	
urinary bladder		(19)	(51)	
within normal limits		19	51	
uterus with cervix		(19)	(51)	
adenocarcinoma, malignant, primary		0	1	
adenomyosis	- mild	0	1	
cyst		0	4	
	- mild	0	2	
	- moderate	0	1	
	- severe	0	1	
dilation, gland/lumen	- mild	1	0	
hyperplasia, cystic endometrial		2	11	
	- minimal	1	5	
	- mild	1	5	
	- moderate	0	1	
hyperplasia, squamous cell		0	3	
	- mild	0	2	
	- moderate	0	1	
lymphoma, malignant, multicentric		0	1	
polyp, stromal, benign, primary		2	6	
within normal limits		15	29	

DOS - Died or euthanized on study

# Summary of Microscopic Observations - FEMALE Terminal

		Gro	up 1
Tissue Observation	Severity	DOS	SNC
Number of Animals Examined		19	51
vagina within normal limits		(19) 19	(51) 51
zymbal`s gland within normal limits		(19) 19	(51) 51

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- DOS Died or euthanized on study
- SNC Scheduled necropsy () Number observed