

Historical Control Data
on Histological Findings in shorter than 21 days
Studies
in RccHanTM: WIST, Wistar Hannover Rats

Compiled from shorter than 21 days Bioassays performed at Harlan Laboratories Ltd. Itingen/Switzerland

Study identification

Study Number	ID Number	Data of Performance	Recovery	Duration of Study (days)	Study type	Age at Delivery (weeks)	Pretest Acclimatization (days)	Body Weight at Delivery (g)		Housing	Diet	Vehicle	Pathologist
								M	F				
814994	1	22 May - 09 July 2001	<input type="checkbox"/>	5	Inhalation	♂: 6-8; ♀: 10-12	7	not exceed (±20%)	not exceed (±20%)	Groups	Kliba 3433	aerosol concentration	WEK
794788	2	11 April - 03 May 2001	<input type="checkbox"/>	14	Gavage	7	7	190 (±20%)	140 (±20%)	Groups	Kliba 3433	bi- distilled water	WEK
826650	3	20 Nov. 2001 - 03 Jan. 2002	<input type="checkbox"/>	7	Inhalation	♂: 6-8; ♀: 8-10	5	180-200	180-200	Groups	Kliba 3433	aerosol concentration	WEK
A57881	4	22 March - Sept. 2006	<input type="checkbox"/>	7	Inhalation	♂: 8-10; ♀: 10-12	5	not exceed (±20%)	not exceed (±20%)	Groups	Kliba 3433	Estimated atmosphere concentration	JAG
B89076**	5	25.03. 2008 - 06 Jan. 2009	<input type="checkbox"/>	7	intrahepatic injection	6	7	172,4 - 193,9	128,2 - 158,9	Individual	Kliba 3433	NaCl 0.9%	TAT
733803	6	29 Dec. - March 2000	<input type="checkbox"/>	5	Inhalation	♂: 6-8; ♀: 8-10	8	180-200	180-200	Groups	Kliba 3433	aerosol concentration	WEK
829337	7	20 Sept. - Nov. 2001	<input type="checkbox"/>	5	Inhalation	8-12	14	not exceed (±20%)	not exceed (±20%)	Groups	Kliba 3433	bi- distilled water	WEK
714058	8	06 Jan. - 15 Feb. 1999	<input checked="" type="checkbox"/>	5	Inhalation	♂: 7 - 9	7	180-200	180-200	Groups	Kliba 3433	20% pure ethanol and 80% distilled water	WEK
835266	9	25 Sept. - 08. Oct. 2001	<input type="checkbox"/>	7	Intravenous	6	6	150 (±20%)	125 (±20%)	Individual	Kliba 3433	sheep erythrocytes	WEK
818550	10	6 June - 31 Aug. 2001	<input type="checkbox"/>	7	Intranasal	♂: 7-9 ; ♀: 10-12	6	not exceed (±20%)	not exceed (±20%)	Groups	Kliba 3433	Tween 80	WEK
697770	11	17 Feb. - 09 March 1999	<input type="checkbox"/>	7	Inhalation	♂: 6-8; ♀: 10-12	13	180-200	180-200	Groups	Kliba 3433	Target atmosphere concentration	WEK
809177	12	28.June - 12.July 2001	<input type="checkbox"/>	n.d.	Inhalation	n.d	n.d	n.d	n.d	Groups	n.d	n.d.	WEK
707760	13	19 Nov. - 10 Dec. 1998	<input type="checkbox"/>	7	Inhalation	♂: 8-10; ♀: 10-12	5	180-200	180-200	Groups	Kliba 3433	target atmosphere concentration	WEK
830452	14	17 - 25 Sept. 2001	<input type="checkbox"/>	7	Toxicogenomics	11-12	7	300 (±20%)	-	Individual	Kliba 3433	7.5% Gelatine solution	WEK
841480	15	07.- 17. Jan. 2002	<input type="checkbox"/>	7	Toxicogenomics	12	6	300 (±20%)	-	Individual	Kliba 3433	Corn Oil	WEK
841481	16	16. - 24. Jan. 2002	<input type="checkbox"/>	7	Toxicogenomics	12	7	300 (±20%)	-	Individual	Kliba 3433	Saline	WEK
848191	17	05. - 30. May 2003	<input type="checkbox"/>	7	Inhalation	♂: 8-10; ♀: 10-12	7	200-225	200-225	Groups	Kliba 3433	aerosol concentration	JAG
844258	18	21.June - 12. July 2002	<input type="checkbox"/>	14	Intravenous	6	7	150 (±20%)	125 (±20%)	Individual	Kliba 3433	physiological saline	WEK
843808	19	07. - 28. Aug. 2002	<input type="checkbox"/>	14	Inhalation	♂: 6-8; ♀: 10-12	7	180-200	180-200	Groups	Kliba 3433	aerosol concentration	WEK
816445	20	07. Aug. - 20. Sept. 2001	<input checked="" type="checkbox"/>	14	Gavage	6	7	150 (±20%)	125 (±20%)	Groups	Kliba 3433	PEG 300	WEK
809166	21	19.July -06.Aug. 2001	<input type="checkbox"/>	n.d.	Inhalation	n.d	n.d	n.d	n.d	Groups	n.d	n.d.	WEK

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								M	F				
704226	22	03. Sept. - 01. Oct. 1998	<input type="checkbox"/>	21	Implantation	7	7	190 (±20%)	-	Individual	Kliba 3433	-	WEK
716578	23	10. Dec. 1998 - 07. Jan. 1999	<input type="checkbox"/>	21	Implantation	7	6	190 (±20%)	-	Individual	Kliba 3433	-	WEK
722496	24	16. Feb. - 16. March 1999	<input type="checkbox"/>	21	Implantation	7	6	190 (±20%)	-	Individual	Kliba 3433	-	WEK
729134	25	23. March - 20. April 1999	<input type="checkbox"/>	21	Implantation	7	6	190 (±20%)	-	Individual	Kliba 3433	-	WEK
692706	26	22. April - 13. May 1998	<input type="checkbox"/>	21	Implantation	7	7	190 (±20%)	-	Individual	Kliba 3433	-	WEK
789816	27	08. - 29. Nov. 2000	<input type="checkbox"/>	21	Intraocular	5	7	150 (±20%)	-	Individual	Kliba 3433	Physiological Saline	WEK
846804****	28	10.-17. Dec. 2002	<input type="checkbox"/>	7	Gavage/ Intravenous	7	7	180-210 (±20%)	-	Groups	Kliba 3433	5% Glucose	WEK
797905	29	15.Feb.- 14 March 2001	<input checked="" type="checkbox"/>	21	Intraocular	6	7	150 (±20%)	125 (±20%)	Individual	Kliba 3433	Physiological Saline	WEK
846842*	30	10.-31. Jan. 2003	<input type="checkbox"/>	21	Feeding	6	7	150 (±20%)	125 (±20%)	Groups	Kliba 3433	Feed and Pellets	WEK
772121	31	18.May - 09. June 2000	<input type="checkbox"/>	7	Gavage	6	5	150 (±20%)	125 (±20%)	Pairs	Kliba 3433	bi- distilled water	WEK
331683	32	May 1993	<input checked="" type="checkbox"/>	7	Gavage	n.d.	n.d.	n.d.	n.d.	n.d.	Kliba 3433	corn oil	WEK
819955	33	Oct. 2001	<input type="checkbox"/>	n.d.	Inhalation	n.d.	n.d.	n.d.	n.d.	n.d.	Kliba 3433	n.d.	WEK
B36112	34	05.-30. April 2007	<input type="checkbox"/>	14	Inhalation	8-12	7	not exceed (±20%)	not exceed (±20%)	Groups	Kliba 3433	air filtered	BDK
677430	35	August 1998	<input type="checkbox"/>	7	Inhalation	n.d.	n.d.	n.d.	n.d.	n.d.	Kliba 3433	HFA	WEK
733871	36	August 1999	<input type="checkbox"/>	7	Inhalation	n.d.	n.d.	n.d.	n.d.	n.d.	Kliba 3433	n.d.	WEK
751948	37	October 2000	<input type="checkbox"/>	14	Inhalation	n.d.	n.d.	n.d.	n.d.	n.d.	Kliba 3433	aerosol concentration	WEK
765325	38	December 2000	<input type="checkbox"/>	14	Inhalation	n.d.	n.d.	n.d.	n.d.	n.d.	Kliba 3433	air filtered	WEK
765538	39	March 2001	<input type="checkbox"/>	14	Inhalation	n.d.	n.d.	n.d.	n.d.	Groups	n.d.	n.d.	WEK
771412	40	01. Nov 00	<input type="checkbox"/>	7	Infusion	n.d.	n.d.	n.d.	n.d.	Groups	n.d.	n.d.	WEK
780107	41	February 2001	<input type="checkbox"/>	7	Inhalation	n.d.	n.d.	n.d.	n.d.	Groups	n.d.	n.d.	WEK
780120	42	March 2001	<input type="checkbox"/>	14	Inhalation	n.d.	n.d.	n.d.	n.d.	Groups	n.d.	n.d.	WEK
794788	43	September 2001	<input type="checkbox"/>	n.d.	Gavage	n.d.	n.d.	n.d.	n.d.	Groups	n.d.	bi-distilled water	WEK
C11827	44	27.Oct.2008-14.May 2009	<input checked="" type="checkbox"/>	14	Gavage	7	7	190 (±20%)	150 (±20%)	Groups	Kliba 3433	0.5% Methylcellulose/ 0.05% Polyoxyethylene	KRG

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B96726	45	10.Sep.-21.Oct. 2008	<input type="checkbox"/>	4	Intraperitoneal	12-13	7	225-250	-	Groups	Kliba 3433	Phosphate buffered saline	WEK
C54307	46	09.Jul.-11.Sep. 2009	<input type="checkbox"/>	14	Inhalation	8-10	14	n.d	n.d	Groups	Kliba 3433	air filtered	HJC
B49768	47	19.Aug.-16.Dec. 2009	<input checked="" type="checkbox"/>	21	Intravenous	7	n.d.	190 (±20%)	150 (±20%)	Individual	Kliba 3433	NaCl 0.9% steril / Aqueous micellar solution	IHI
C63061	48	16.Sep. 2009-01.Feb. 2010	<input checked="" type="checkbox"/>	14	Gavage	7	7	190 (±20%)	150 (±20%)	Groups	Kliba 3433	0.5% CMC in bi-distilled water	KOD
B12846	49	28.Jan.-20.Aug. 2008	<input checked="" type="checkbox"/>	14	Intravenous	6	7	150 (±20%)	125 (±20%)	Individual	Kliba 3433	Physiological Saline	KOD
C33675	50	15.Apr.-03.Dec. 2009	<input type="checkbox"/>	14	Intravenous	8-12	n.d.	242-294	191-223	Groups	Kliba 3433	sterile 0.9% Sodium chloride	HJC
C67976	51	15.Oct. 2009-16.Feb. 2010	<input type="checkbox"/>	1	Intravenous	6	6	150 (±20%)	125 (±20%)	Individual	arlan Teklad 20	0.9% Saline	IHI
C58471	52	06.Oct.-23.Nov. 2009	<input type="checkbox"/>	7	Gavage	7	n.d.	190 (±20%)	150 (±20%)	Groups	arlan Teklad 20	Corn oil	KHE
C20467	53	26.Jan.-25.Apr. 2009	<input type="checkbox"/>	21	Gavage	7	7	190 (±20%)	150 (±20%)	Groups	Kliba 3433	Bidistilled water	HJC
C56895	54	26.Aug.-27.Oct. 2009	<input type="checkbox"/>	1	Gavage	5	7	110 (±20%)	95 (±20%)	Individual	Kliba 3433	Polyethylene glycol (PEG-) 300	WEK
C54656	55	29.Jul.-25.Nov 2009	<input checked="" type="checkbox"/>	14	Intravenous	6	7	150 (±20%)	125 (±20%)	Individual	Kliba 3433	Hydroxypropyl-β-cyclodextrin (HP-β-CD) 5%, mannitol 4%	KRG
B78625	56	16.Apr.-14.May 2008	<input type="checkbox"/>	1	Inhalation	8-12	5	n.d	n.d	Groups	Kliba 3433	FAT 75808 Placebo	HJC
B74248	57	18.Dec. 2007-17.Jul. 2008	<input type="checkbox"/>	14	Gavage	7	7	190 (±20%)	150 (±20%)	Groups	Kliba 3433	Acetate buffer, pH 4.0	KRG
C23810	58	17.Nov. 2008-22.Jul. 2009	<input checked="" type="checkbox"/>	14	Intravenous	7	7	190 (±20%)	150 (±20%)	Individual	Kliba 3433	Ro 502-8442/F02-01	KRG
C28714	59	25.Feb.-21.Oct. 2009	<input type="checkbox"/>	7	Intradermal	8-12	7	180-220 (±20%)	180-220 (±20%)	Groups	Kliba 3433	DMEM	WEK
C35846	60	27.Feb.-03.May 2009	<input type="checkbox"/>	7	Intravenous	6	7	150 (±20%)	125 (±20%)	Individual	Kliba 3433	D-mannitol	KRG
C688810	61	05.Nov. 2009-n.d.	<input type="checkbox"/>	14	Gavage	7	7	190 (±20%)	150 (±20%)	Groups	arlan Teklad 20	Bidistilled water	WEK
B96682	62	06.May-13.Nov 2008	<input type="checkbox"/>	14	Gavage	6	7	150 (±20%)	125 (±20%)	Groups	Kliba 3433	Tap water	WEK
B71368	63	03.Jan.-07.Jul. 2008	<input type="checkbox"/>	14	Intravenous	6	7	150 (±20%)	125 (±20%)	Individual	Kliba 3433	Water for injection	ROL
C07125	64	16.Dec. 2008-17.Feb. 2009	<input type="checkbox"/>	14	Inhalation	8-10	5	n.d	n.d	Groups	Kliba 3433	Ethanol/Purified water	HJC
C15372	65	05.Dec. 2008-14.Apr. 2009	<input type="checkbox"/>	7	Inhalation	8-10	5	n.d	n.d	Groups	Kliba 3433	air filtered	TAT
C47478	66	28.May-26.Jul. 2009	<input type="checkbox"/>	14	Inhalation	8-10	5	n.d	n.d	Groups	Kliba 3433	air filtered	HJC
844170	67	29.May 2002-12.June 2002	<input type="checkbox"/>	7	Gavage	6	7	150 (±20%)	125 (±20%)	Groups	Kliba 3433	Methocel MC	WEK

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								M	F				
B78737	68	17.Jan.-12.Apr. 2008	<input type="checkbox"/>	7	Gavage	7	7	190 (±20%)	150 (±20%)	Groups	Kliba 3433	0.5% Methylcellulose/ 0.05% Polyoxyethylene	KRG
B96693	69	13.May-13.Nov. 2008	<input type="checkbox"/>	14	Gavage	6	6	150 (±20%)	125 (±20%)	Groups	Kliba 3433	Tap water	WEK
B84374	70	13.May-13.Jul. 2008	<input type="checkbox"/>	14	Gavage	7	6	190 (±20%)	150 (±20%)	Groups	Kliba 3433	Na-acetate/acetic acid/methocel buffer pH 4.5	HJC
B85206	71	05.Feb.-15.Apr. 2008	<input type="checkbox"/>	15	Gavage	8-12	7	-	180-200	Groups	Kliba 3433	Polyethylene glycol 300 (PEG 300)	ROL
A88018	72	27.Oct.-12.Dec. 2009	<input type="checkbox"/>	14	Intravenous	6-7	n.d.	150 (±20%)	125 (±20%)	Individual	Kliba 3433	10mM Sodium citrate, pH 5,7/0.9% NaCl/Tween 80	KHE
B74250	73	25.Feb.-17.Dec. 2008	<input type="checkbox"/>	14	Intravenous	8-12	7	220 (±20%)	180 (±20%)	Groups	Kliba 3433	10mM sodium citrate/10mM disodium hydrogen	JAG
B84082	74	10.Mar.-21.Oct. 2008	<input type="checkbox"/>	14	Gavage	7	7	190 (±20%)	150 (±20%)	Groups	Kliba 3433	Na-acetate Buffer, pH 4.5	KRG
A42726	79	02.Mar.-16.Jun. 2006	<input type="checkbox"/>	14	Inhalation	♂: 6-8; ♀: 8-10	14	n.d	n.d	Groups	Kliba 3433	Phosphate buffered saline (PBS)	MAM
C11816	80	10.Sep. 2008-11.Feb. 2009	<input type="checkbox"/>	14	Gavage	7	7	-	150 (±20%)	Groups	Kliba 3433	Na-acetate Buffer, pH 4.5	KRG

* = MTD/DRF

** = no control group; group 1 injection volume 0.02 ml

*** = Effect on renal function in the rat

n.d. = no data

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Pathologists

BDK:	Dr. med. vet. K. Bodìè, Toxicologic Pathologist	NED:	Dr. med. vet. D. Nehrbass, Veterinary Pathologist
BSC:	Dr. med. vet. B. Schlotke, Veterinary Pathologist	PAV:	Dr. med. vet. V. Pace, Veterinary Pathologist
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HHW:	Dr. med. vet. H. Westen, Veterinary Pathologist	ROL:	Dr. med. L. Romeo, Pathologist
HJC:	Dr. med. vet. H.J. Chevalier, Veterinary Pathologist	RON:	Dr. med. vet. N. Robert, Veterinary Pathologist
IHI:	Dr. med. vet. Iwata Hijiri, Veterinary Pathologist	RUD:	Prof. Dr. med. vet. R. Rudolph, Veterinary Pathologist
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KOD:	Dr. med. Daniel Konrad, Toxicologic Pathologist	WEK:	Dr. rer. nat. K. Weber, Toxicologic Pathologist
KRG:	Dr. med. vet. Dr. G. Krinke, Veterinary Pathologist	WIL:	Dr. med. vet. J. T. Wilson, Veterinary Pathologist
MAM:	Dr. med. vet. Martland Malcome, Veterinary Pathologist	WLA:	Dr. med. vet. A. Waldvogel, Veterinary Pathologist
MIP:	Dr. med. vet. P. Millar, Veterinary Pathologist	WRJ:	Dr. med. vet. J. Wright, Veterinary Pathologist

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Brain

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	288					

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	281					

Cerebrum

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	289					
Hemorrhage	1	0.35	0.26	1.60	0.00	10.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	287					
Hemorrhage	0	0.00	0.00	0.00	0.00	0.00

Brain stem/midbrain

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	168					

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	166					

Medulla oblongata

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	284					
Angiectasis	0	0.00	0.00	0.00	0.00	0.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	272					
Angiectasis	1	0.37	0.27	1.64	0.00	10.00

Gasserian ganglia with nerve

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	5					
Single fiber degeneration	1	20.00	20.00	0.00	20.00	20.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	5					
Single fiber degeneration	0	0.00	0.00	0.00	0.00	0.00

Spinal cord

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	246					

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	231					

Sciatic nerve

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	234					
Nerve fiber degeneration	20	8.55	9.23	13.54	0.00	60.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	220					
Nerve fiber degeneration	19	8.64	8.54	10.37	0.00	40.00

Sural nerve

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	5					
Nerve fiber degeneration	3	60.00	60.00	0.00	60.00	60.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	0					
Nerve fiber degeneration	0	0.00	0.00	0.00	0.00	0.00

Tibial nerve

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	15					
Nerve fiber degeneration	6	40.00	40.00	0.00	0.00	60.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	5					
Nerve fiber degeneration	0	0.00	0.00	0.00	0.00	0.00

Optic nerves

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	182					

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	175					

Eyes

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	208					
Retinal rosettes	4	1.92	1.67	3.81	0.00	10.00
Retinal degeneration	2	0.96	1.25	4.48	0.00	20.00
Hemorrhage	63	30.29	24.79	35.00	0.00	100.00
Conjunction inflammation edema	2	0.96	0.83	4.08	0.00	20.00
Corneal mineralization	3	1.44	1.25	6.12	0.00	30.00
Inflammatory cell foci	22	10.58	10.42	24.04	0.00	90.00
Periorbital inflammation	21	10.10	7.92	20.85	0.00	90.00
Lenticular scar	0	0.00	0.00	0.00	0.00	0.00
Iris adhesion	1	0.48	0.42	2.04	0.00	10.00
Fibrosis, retro-/periorbital	2	0.96	1.67	8.16	0.00	40.00
Corneal vacuolation	6	2.88	2.50	12.25	0.00	60.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	200					
Retinal rosettes	16	8.00	6.82	14.60	0.00	50.00
Retinal degeneration	5	2.50	2.27	10.66	0.00	50.00
Hemorrhage	56	28.00	25.45	33.20	0.00	90.00
Conjunction inflammation edema	1	0.50	0.45	2.13	0.00	10.00
Corneal mineralization	2	1.00	0.91	4.26	0.00	20.00
Inflammatory cell foci	12	6.00	6.36	13.29	0.00	40.00
Periorbital inflammation	18	9.00	8.18	20.15	0.00	80.00
Lenticular scar	1	0.50	0.45	2.13	0.00	10.00
Iris adhesion	0	0.00	0.00	0.00	0.00	0.00
Fibrosis, retro-/periorbital	0	0.00	0.00	0.00	0.00	0.00
Corneal vacuolation	4	2.00	1.82	8.53	0.00	40.00

Harderian glands

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	136					
Hemorrhage	13	9.56	8.75	15.00	0.00	50.00
Necrosis	2	1.47	1.25	5.00	0.00	20.00
Inflammation	17	12.50	13.75	19.28	0.00	60.00
Atrophy	2	1.47	2.50	10.00	0.00	40.00
Glandular dilation	0	0.00	0.00	0.00	0.00	0.00
Mononuclear cell foci	1	0.74	1.25	5.00	0.00	20.00
Porphyrin deposition	27	19.85	21.88	36.37	0.00	90.00
Hyperplasia	0	0.00	0.00	0.00	0.00	0.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	131					
Hemorrhage	14	10.69	9.33	16.68	0.00	50.00
Necrosis	0	0.00	0.00	0.00	0.00	0.00
Inflammation	13	9.92	8.67	13.02	0.00	30.00
Atrophy	1	0.76	0.67	2.58	0.00	10.00
Glandular dilation	2	1.53	1.33	3.52	0.00	10.00
Mononuclear cell foci	3	2.29	2.00	4.14	0.00	10.00
Porphyrin deposition	26	19.85	20.67	34.53	0.00	100.00
Hyperplasia	2	1.53	1.33	3.52	0.00	10.00

Exorbital lacrimal glands

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	72					
Harderian alteration	8	11.11	27.00	40.01	0.00	100.00
Vacuolation	1	1.39	1.00	3.16	0.00	10.00
Harderian metaplasia	0	0.00	0.00	0.00	0.00	0.00
Mononuclear cell foci	2	2.78	11.00	31.43	0.00	100.00
Atrophy	1	1.39	1.00	3.16	0.00	10.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	70					
Harderian alteration	1	1.43	1.25	3.54	0.00	10.00
Vacuolation	7	10.00	8.75	24.75	0.00	70.00
Harderian metaplasia	1	1.43	1.25	3.54	0.00	10.00
Mononuclear cell foci	0	0.00	0.00	0.00	0.00	0.00
Atrophy	2	2.86	2.50	7.07	0.00	20.00

Zymbal's glands

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	8					

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	8					

Aorta

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	201					

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	196					

Heart

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	325					
Cyst, valvular	2	0.62	0.43	2.92	0.00	20.00
Dilatation	1	0.31	0.21	1.46	0.00	10.00
Valvular endocardiosis	1	0.31	0.43	2.92	0.00	20.00
Hemorrhage	1	0.31	0.71	4.86	0.00	33.33
Mononuclear cell foci	39	12.00	10.64	15.49	0.00	66.67
Inflammatory cell foci	4	1.23	1.06	5.21	0.00	30.00
Thrombus	2	0.62	0.85	5.83	0.00	40.00
Inflammation W/Fibrosis	2	0.62	0.43	2.04	0.00	10.00
Fibrosis	0	0.00	0.00	0.00	0.00	0.00
Myocardial necrosis	0	0.00	0.00	0.00	0.00	0.00
Inflammatory cell infiltration	3	0.92	0.64	4.38	0.00	30.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	323					
Cyst, valvular	0	0.00	0.00	0.00	0.00	0.00
Dilatation	0	0.00	0.00	0.00	0.00	0.00
Valvular endocardiosis	0	0.00	0.00	0.00	0.00	0.00
Hemorrhage	1	0.31	0.71	4.86	0.00	33.33
Mononuclear cell foci	27	8.36	7.87	14.70	0.00	66.67
Inflammatory cell foci	3	0.93	0.85	3.51	0.00	20.00
Thrombus	0	0.00	0.00	0.00	0.00	0.00
Inflammation W/Fibrosis	2	0.62	0.43	2.92	0.00	20.00
Fibrosis	1	0.31	0.71	4.86	0.00	33.33
Myocardial necrosis	1	0.31	0.21	1.46	0.00	10.00
Inflammatory cell infiltration	0	0.00	0.00	0.00	0.00	0.00

Nasopharyngeal duct

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	121					
Goblet cell proliferation	3	2.48	3.16	10.03	0.00	40.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	121					
Goblet cell proliferation	6	4.96	6.32	16.40	0.00	60.00

Nasal cavities

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	172					
Goblet proliferation	1	0.58	0.77	3.92	0.00	20.00
Hemorrhage	1	0.58	0.77	3.92	0.00	20.00
Squamous cell metaplasia	0	0.00	0.00	0.00	0.00	0.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	167					
Goblet proliferation	0	0.00	0.00	0.00	0.00	0.00
Hemorrhage	1	0.60	0.80	4.00	0.00	20.00
Squamous cell metaplasia	0	0.00	0.00	0.00	0.00	0.00

Nasal cavity, level 1

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	154					
Goblet cell proliferation	23	14.94	13.18	22.55	0.00	80.00
Mucus exudate	0	0.00	0.00	0.00	0.00	0.00
Cellular detritus	2	1.30	1.36	4.68	0.00	20.00
Hemorrhage	0	0.00	0.00	0.00	0.00	0.00
Inflammatory cell foci	4	2.60	4.55	21.32	0.00	100.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	155					
Goblet cell proliferation	20	12.90	0.25	20.62	0.00	70.00
Mucus exudate	2	1.29	0.03	4.26	0.00	20.00
Cellular detritus	1	0.65	0.01	2.13	0.00	10.00
Hemorrhage	1	0.65	0.01	2.13	0.00	10.00
Inflammatory cell foci	1	0.65	0.01	2.13	0.00	10.00

Nasal cavity, level 2

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	169					
Cellular detritus	1	0.59	0.87	4.17	0.00	20.00
Mucus exudate	0	0.00	0.00	0.00	0.00	0.00
Goblet cell proliferation	37	21.89	22.17	31.62	0.00	80.00
Hemorrhage	1	0.59	0.87	4.17	0.00	20.00
Inflammatory secretion	0	0.00	0.00	0.00	0.00	0.00
Inflammatory cell foci	2	1.18	2.17	10.43	0.00	50.00
Vomer nasal necrosis	1	0.59	0.87	4.17	0.00	20.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	170					
Cellular detritus	1	0.59	0.43	2.09	0.00	10.00
Mucus exudate	2	1.18	0.87	4.17	0.00	20.00
Goblet cell proliferation	20	11.76	11.74	20.15	0.00	60.00
Hemorrhage	1	0.59	0.43	2.09	0.00	10.00
Inflammatory secretion	1	0.59	0.43	2.09	0.00	10.00
Inflammatory cell foci	1	0.59	0.43	2.09	0.00	10.00
Vomer nasal necrosis	0	0.00	0.00	0.00	0.00	0.00

Nasal cavity, level 3

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	134					
Cellular detritus	1	0.75	1.05	4.59	0.00	20.00
Mucus exudate	0	0.00	0.00	0.00	0.00	0.00
Foreign bodies	2	1.49	2.11	6.31	0.00	20.00
Hemorrhage	2	1.49	2.11	6.31	0.00	20.00
Inflammatory cell foci	1	0.75	1.32	5.74	0.00	25.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	135					
Cellular detritus	0	0.00	0.00	0.00	0.00	0.00
Mucus exudate	2	1.48	1.05	4.59	0.00	20.00
Foreign bodies	0	0.00	0.00	0.00	0.00	0.00
Hemorrhage	0	0.00	0.00	0.00	0.00	0.00
Inflammatory cell foci	0	0.00	0.00	0.00	0.00	0.00

Nasal cavity, level 4

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	80					
Cellular detritus	2	2.50	1.82	6.03	0.00	20.00
Mucus exudate	0	0.00	0.00	0.00	0.00	0.00
Foreign body material	0	0.00	0.00	0.00	0.00	0.00
Hemorrhage	1	1.25	0.91	3.02	0.00	10.00
Inflammatory secretion	0	0.00	0.00	0.00	0.00	0.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	80					
Cellular detritus	3	3.75	2.73	9.05	0.00	30.00
Mucus exudate	2	2.50	0.00	0.00	0.00	0.00
Foreign body material	1	1.25	1.82	6.03	0.00	20.00
Hemorrhage	0	0.00	0.00	0.00	0.00	0.00
Inflammatory secretion	1	1.25	0.91	3.02	0.00	10.00

Pharynx

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	80					
Dilated glands	2	2.50	1.82	6.03	0.00	20.00
Slough epithelium	1	1.25	0.91	3.02	0.00	10.00
Inflammatory cell foci	1	1.25	1.82	6.03	0.00	20.00
Gobet cell proliferation	2	2.50	1.82	6.03	0.00	20.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	80					
Dilated glands	2	2.50	1.82	6.03	0.00	20.00
Slough epithelium	7	8.75	6.36	21.11	0.00	70.00
Inflammatory cell foci	0	0.00	0.00	0.00	0.00	0.00
Gobet cell proliferation	1	1.25	0.91	3.02	0.00	10.00

Larynx

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	148					
Glandular dilation	30	20.27	15.71	33.85	0.00	100.00
Hyaline droplets	1	0.68	0.95	4.36	0.00	20.00
Edema	2	1.35	1.90	8.73	0.00	40.00
Mononuclear cell foci	19	12.84	10.48	23.97	0.00	100.00
Inflammatory cell foci	11	7.43	5.24	15.37	0.00	60.00
Granuloma	0	0.00	0.00	0.00	0.00	0.00
Epithelial degeneration	1	0.68	0.95	4.36	0.00	20.00
Squamous metaplasia	6	4.05	2.86	13.09	0.00	60.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	147					
Glandular dilation	32	21.77	17.62	35.20	0.00	100.00
Hyaline droplets	1	0.68	0.95	4.36	0.00	20.00
Edema	0	0.00	0.00	0.00	0.00	0.00
Mononuclear cell foci	16	10.88	8.10	21.36	0.00	90.00
Inflammatory cell foci	3	2.04	1.59	7.27	0.00	33.33
Granuloma	1	0.68	0.48	2.18	0.00	10.00
Epithelial degeneration	0	0.00	0.00	0.00	0.00	0.00
Squamous metaplasia	5	3.40	2.38	10.91	0.00	50.00

Larynx level 1

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	10					
Glandular dilation	0	0.00	0.00	0.00	0.00	0.00
Mononuclear cell foci	3	30.00	30.00	0.00	30.00	30.00
Squamous metaplasia	1	10.00	10.00	0.00	10.00	10.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	10					
Glandular dilation	5	50.00	50.00	0.00	50.00	50.00
Mononuclear cell foci	2	20.00	20.00	0.00	20.00	20.00
Squamous metaplasia	0	0.00	0.00	0.00	0.00	0.00

Larynx level 2

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	68					
Cyst	0	0.00	0.00	0.00	0.00	0.00
Glandular dilation	5	7.35	5.56	16.67	0.00	50.00
Desiccated secretion	0	0.00	0.00	0.00	0.00	0.00
Concretions ventral pouch	1	1.47	1.11	3.33	0.00	10.00
Mononuclear cell foci	4	5.88	4.44	13.33	0.00	40.00
Inflammation	2	2.94	3.33	7.07	0.00	20.00
Squamous metaplasia	4	5.88	4.44	13.33	0.00	40.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	68					
Cyst	1	1.47	2.22	6.67	0.00	20.00
Glandular dilation	6	8.82	6.67	20.00	0.00	60.00
Desiccated secretion	1	1.47	2.22	6.67	0.00	20.00
Concretions ventral pouch	0	0.00	0.00	0.00	0.00	0.00
Mononuclear cell foci	1	1.47	1.11	3.33	0.00	10.00
Inflammation	0	0.00	0.00	0.00	0.00	0.00
Squamous metaplasia	0	0.00	0.00	0.00	0.00	0.00

Larynx level 3

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	48					
Glandular dilation	6	12.50	10.00	24.49	0.00	60.00
Foreign material	1	2.08	1.67	4.08	0.00	10.00
Mononuclear cell foci	7	14.58	11.67	28.58	0.00	70.00
Increased inflammatory cells	1	2.08	3.33	8.16	0.00	20.00
Inflammation	1	2.08	1.67	4.08	0.00	10.00
Foreign body granuloma	0	0.00	0.00	0.00	0.00	0.00
Squamous metaplasia	2	4.17	3.33	8.16	0.00	20.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	48					
Glandular dilation	7	14.58	11.67	28.58	0.00	70.00
Foreign material	0	0.00	0.00	0.00	0.00	0.00
Mononuclear cell foci	3	6.25	5.00	12.25	0.00	30.00
Increased inflammatory cells	0	0.00	0.00	0.00	0.00	0.00
Inflammation	0	0.00	0.00	0.00	0.00	0.00
Foreign body granuloma	2	4.17	6.67	16.33	0.00	40.00
Squamous metaplasia	3	6.25	5.00	12.25	0.00	30.00

Larynx level 4

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	27					
Glandular dilation	8	29.63	20.00	40.00	0.00	80.00
Mononuclear cell foci	8	29.63	20.00	40.00	0.00	80.00
Squamous metaplasia	4	14.81	10.00	20.00	0.00	40.00
Hair shaft implant	1	3.70	2.50	5.00	0.00	10.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	26					
Glandular dilation	9	34.62	22.50	45.00	0.00	90.00
Mononuclear cell foci	3	11.54	7.50	15.00	0.00	30.00
Squamous metaplasia	1	3.85	2.50	5.00	0.00	10.00
Hair shaft implant	0	0.00	0.00	0.00	0.00	0.00

Larynx level 5

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	16					
Glandular dilation	8	50.00	26.67	46.19	0.00	80.00
Mononuclear cell foci	9	56.25	30.00	51.96	0.00	90.00
Squamous metaplasia	4	25.00	43.33	51.32	0.00	100.00
Squamoid epithelium	0	0.00	0.00	0.00	0.00	0.00
Mononuclear foci	1	6.25	33.33	57.74	0.00	100.00
Hair shaft implant	1	6.25	3.33	5.77	0.00	10.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	17					
Glandular dilation	8	47.06	26.67	46.19	0.00	80.00
Mononuclear cell foci	5	29.41	16.67	28.87	0.00	50.00
Squamous metaplasia	4	23.53	40.00	52.92	0.00	100.00
Squamoid epithelium	2	11.76	33.33	57.74	0.00	100.00
Mononuclear foci	0	0.00	0.00	0.00	0.00	0.00
Hair shaft implant	0	0.00	0.00	0.00	0.00	0.00

Larynx level 6

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	24					
Glandular dilation	9	37.50	22.50	45.00	0.00	90.00
Mononuclear cell foci	8	33.33	20.00	40.00	0.00	80.00
Squamous metaplasia	6	25.00	30.00	47.61	0.00	100.00
Squamous hyperplasia	1	4.17	6.25	12.50	0.00	25.00
Squamoid epithelium	4	16.67	25.00	50.00	0.00	100.00
Inflammation	1	4.17	6.25	12.50	0.00	25.00
Keratosis	3	12.50	18.75	37.50	0.00	75.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	24					
Glandular dilation	9	37.50	22.50	45.00	0.00	90.00
Mononuclear cell foci	6	25.00	15.00	30.00	0.00	60.00
Squamous metaplasia	7	29.17	32.50	47.17	0.00	100.00
Squamous hyperplasia	0	0.00	0.00	0.00	0.00	0.00
Squamoid epithelium	4	16.67	25.00	50.00	0.00	100.00
Inflammation	0	0.00	0.00	0.00	0.00	0.00
Keratosis	1	4.17	6.25	12.50	0.00	25.00

Trachea

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	323					
Distended glands	55	17.03	16.07	21.11	0.00	60.00
Inflammation	11	3.41	2.62	14.15	0.00	90.00
Mononuclear cell foci	77	23.84	22.26	33.97	0.00	100.00
Inflammatory cell foci	7	2.17	1.67	10.80	0.00	70.00
Hyaline droplets	2	0.62	0.95	4.31	0.00	20.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	317					
Distended glands	36	11.36	10.73	16.64	0.00	60.00
Inflammation	9	2.84	2.20	14.06	0.00	90.00
Mononuclear cell foci	60	18.93	16.63	25.51	0.00	90.00
Inflammatory cell foci	8	2.52	2.20	11.29	0.00	70.00
Hyaline droplets	5	1.58	1.71	7.71	0.00	40.00

Lungs

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	352					
Squamous cyst	1	0.28	0.19	1.39	0.00	10.00
Collapse	1	0.28	0.19	1.39	0.00	10.00
Congestion	0	0.00	0.00	0.00	0.00	0.00
Foreign material	1	0.28	0.64	4.62	0.00	33.33
Emphysema	17	4.83	4.20	11.04	0.00	50.00
Hemorrhage	17	4.83	4.94	9.96	0.00	40.00
Foreign body embolus	1	0.28	0.10	0.69	0.00	5.00
Thrombo-emboli	0	0.00	0.00	0.00	0.00	0.00
Vascular mineralisation	84	23.86	25.32	29.57	0.00	100.00
Osseous metaplasia	7	1.99	2.12	6.96	0.00	40.00
Alveolar edema	0	0.00	0.00	0.00	0.00	0.00
Hemosiderin	0	0.00	0.00	0.00	0.00	0.00
Mononuclear cell foci	29	8.24	6.92	15.41	0.00	60.00
Inflammatory cell foci	15	4.26	3.41	11.55	0.00	70.00
Alveolar histiocytosis	110	31.25	29.25	30.18	0.00	100.00
Alveolitis	8	2.27	2.37	6.74	0.00	33.33
Perivascular cuffing	2	0.57	0.29	1.54	0.00	10.00
Vasculitis/Perivasculitis	8	2.27	3.01	10.36	0.00	66.67
Bronchopneumonia	0	0.00	0.00	0.00	0.00	0.00
Interstitial inflammation	0	0.00	0.00	0.00	0.00	0.00
Inflammation	3	0.85	1.15	6.15	0.00	40.00
Hyperplasia of BALT	3	0.85	1.15	6.15	0.00	40.00
Bronchio-alveolar hyperplasia	3	0.85	0.58	4.16	0.00	30.00
Alveolar wall proliferation	1	0.28	0.64	4.62	0.00	33.33
Granuloma	4	1.14	0.77	3.34	0.00	20.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	350					
Squamous cyst	0	0.00	0.00	0.00	0.00	0.00
Collapse	2	0.57	0.39	2.80	0.00	20.00
Congestion	1	0.29	0.20	1.40	0.00	10.00
Foreign material	0	0.00	0.00	0.00	0.00	0.00
Emphysema	11	3.14	3.33	12.91	0.00	80.00
Hemorrhage	3	0.86	1.24	5.54	0.00	33.33
Foreign body embolus	2	0.57	0.59	3.11	0.00	20.00
Thrombo-emboli	1	0.29	0.20	1.40	0.00	10.00
Vascular mineralisation	74	21.14	19.87	24.51	0.00	100.00
Osseous metaplasia	7	2.00	2.39	7.29	0.00	33.33
Alveolar edema	1	0.29	0.39	2.80	0.00	20.00
Hemosiderin	0	0.00	0.00	0.00	0.00	0.00
Mononuclear cell foci	30	8.57	8.04	14.97	0.00	60.00
Inflammatory cell foci	15	4.29	4.20	16.40	0.00	90.00
Alveolar histiocytosis	111	31.71	31.57	31.01	0.00	100.00
Alveolitis	6	1.71	1.37	5.30	0.00	30.00
Perivascular cuffing	3	0.86	0.39	1.96	0.00	10.00
Vasculitis/Perivasculitis	6	1.71	1.96	8.00	0.00	40.00
Bronchopneumonia	0	0.00	0.00	0.00	0.00	0.00
Interstitial inflammation	0	0.00	0.00	0.00	0.00	0.00
Inflammation	8	2.29	2.16	8.79	0.00	60.00
Hyperplasia of BALT	4	1.14	1.83	7.67	0.00	40.00
Bronchio-alveolar hyperplasia	1	0.29	0.20	1.40	0.00	10.00
Alveolar wall proliferation	0	0.00	0.00	0.00	0.00	0.00
Granuloma	6	1.71	1.96	9.17	0.00	60.00

Tracheal bifurcation

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	96					
Mononuclear cell foci	1	1.04	0.71	2.67	0.00	10.00
Inflammatory cell foci	1	1.04	1.43	5.35	0.00	20.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	96					
Mononuclear cell foci	0	0.00	0.00	0.00	0.00	0.00
Inflammatory cell foci	1	1.04	1.43	5.35	0.00	20.00

Carina, tracheal

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	25					
Sloughed epithelium	0	0.00	0.00	0.00	0.00	0.00
Inflammatory cell foci	0	0.00	0.00	0.00	0.00	0.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	25					
Sloughed epithelium	1	4.00	2.50	5.00	0.00	10.00
Inflammatory cell foci	1	4.00	5.00	10.00	0.00	20.00

Pituitary

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	215					
Cystic Rathke`s cleft	4	1.86	1.74	6.50	0.00	30.00
Cyst(s)/clefts	10	4.65	5.43	10.76	0.00	40.00
Vacuolation	5	2.33	2.17	10.43	0.00	50.00
Stomatodeal cell remnants	0	0.00	0.00	0.00	0.00	0.00
Pars distalis, hypertrophy	4	1.86	1.74	6.50	0.00	30.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	225					
Cystic Rathke`s cleft	11	4.89	4.58	12.85	0.00	50.00
Cyst(s)/clefts	7	3.11	3.33	7.02	0.00	20.00
Vacuolation	0	0.00	0.00	0.00	0.00	0.00
Stomatodeal cell remnants	1	0.44	0.42	2.04	0.00	10.00
Pars distalis, hypertrophy	0	0.00	0.00	0.00	0.00	0.00

Adrenals NOS

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	153					
Vacuolation, cortical	7	4.58	5.65	25.01	0.00	120.00
Mononuclear cell foci	0	0.00	0.00	0.00	0.00	0.00
Hypertrophy, cortical cells	1	0.65	0.43	2.09	0.00	10.00
Cortical hyperplasia	0	0.00	0.00	0.00	0.00	0.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	143					
Vacuolation, cortical	5	3.50	4.55	21.32	0.00	100.00
Mononuclear cell foci	3	2.10	0.00	0.00	0.00	0.00
Hypertrophy, cortical cells	0	0.00	0.00	0.00	0.00	0.00
Cortical hyperplasia	0	0.00	0.00	0.00	0.00	0.00

Adrenal cortex

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	288					
Congestion	1	0.35	0.26	1.60	0.00	10.00
Focal hypertrophy	1	0.35	0.26	1.60	0.00	10.00
Hemopoietic foci	0	0.00	0.00	0.00	0.00	0.00
Mononuclear cell foci	0	0.00	0.00	0.00	0.00	0.00
Vacuolation	93	32.29	33.80	30.68	0.00	100.00
Extra-adrenal tissue	2	0.69	0.38	1.77	0.00	10.00
Mineralization	0	0.00	0.00	0.00	0.00	0.00
Hemorrhage	0	0.00	0.00	0.00	0.00	0.00
Vacuolation, zona glomerulosa	1	0.35	0.26	1.60	0.00	10.00
Eosinophile inclusions	0	0.00	0.00	0.00	0.00	0.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	301					
Congestion	0	0.00	0.00	0.00	0.00	0.00
Focal hypertrophy	1	0.33	0.24	1.56	0.00	10.00
Hemopoietic foci	2	0.66	0.24	1.56	0.00	10.00
Mononuclear cell foci	9	2.99	3.70	12.15	0.00	66.67
Vacuolation	8	2.66	2.56	9.94	0.00	60.00
Extra-adrenal tissue	5	1.66	1.59	4.80	0.00	20.00
Mineralization	1	0.33	0.24	1.56	0.00	10.00
Hemorrhage	1	0.33	0.24	1.56	0.00	10.00
Vacuolation, zona glomerulosa	5	1.66	1.22	7.81	0.00	50.00
Eosinophile inclusions	1	0.33	0.24	1.56	0.00	10.00

Adrenal medulla

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	287					

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	291					

Thyroid glands

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	264					
Developmental cyst	0	0.00	0.00	0.00	0.00	0.00
Thymic remnants	12	4.55	3.94	7.77	0.00	30.00
Ductal remnant	9	3.41	2.74	5.45	0.00	20.00
Mononuclear cell foci	1	0.38	0.65	3.59	0.00	20.00
Follicular cell hypertrophy	19	7.20	6.52	14.80	0.00	60.00
C-cell hyperplasia/focal	0	0.00	0.00	0.00	0.00	0.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	275					
Developmental cyst	1	0.36	0.31	1.77	0.00	10.00
Thymic remnants	17	6.18	5.16	8.75	0.00	30.00
Ductal remnant	12	4.36	4.90	7.43	0.00	20.00
Mononuclear cell foci	5	1.82	1.56	5.15	0.00	20.00
Follicular cell hypertrophy	6	2.18	1.88	5.35	0.00	20.00
C-cell hyperplasia/focal	3	1.09	1.56	7.23	0.00	40.00

Parathyroid glands

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	239					
Focal hyperplasia	0	0.00	0.00	0.00	0.00	0.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	242					
Focal hyperplasia	1	0.41	0.40	2.10	0.00	11.11

Pancreas

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	219					
Congestion	2	0.91	1.20	4.40	0.00	20.00
Zymogen depletion	1	0.46	0.40	2.00	0.00	10.00
Acinar cell vacuolation	11	5.02	5.60	16.09	0.00	70.00
Exocrine atrophy	10	4.57	4.80	8.23	0.00	20.00
Mononuclear cell foci	10	4.57	4.00	11.55	0.00	50.00
Necrosis single cell	2	0.91	0.80	4.00	0.00	20.00
Inflammation	0	0.00	0.00	0.00	0.00	0.00
Islet hyperplasia	1	0.46	0.40	2.00	0.00	10.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	220					
Congestion	1	0.45	0.80	4.00	0.00	20.00
Zymogen depletion	1	0.45	0.40	2.00	0.00	10.00
Acinar cell vacuolation	13	5.91	6.00	14.14	0.00	60.00
Exocrine atrophy	7	3.18	3.20	6.27	0.00	20.00
Mononuclear cell foci	4	1.82	1.60	6.24	0.00	30.00
Necrosis single cell	2	0.91	0.80	4.00	0.00	20.00
Inflammation	1	0.45	0.40	2.00	0.00	10.00
Islet hyperplasia	3	1.36	1.60	5.54	0.00	20.00

Liver

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	401					
Anomaly	0	0.00	0.00	0.00	0.00	0.00
Hepatodiaphragmatic nodule	1	0.25	0.17	1.30	0.00	10.00
Congestion	5	1.25	1.69	13.02	0.00	100.00
Hemorrhage	1	0.25	0.17	1.30	0.00	10.00
Increased glycogen	82	20.45	20.59	35.65	0.00	100.00
Hemosiderin deposits	0	0.00	0.00	0.00	0.00	0.00
Pigment deposition	0	0.00	0.00	0.00	0.00	0.00
Fatty change	90	22.44	20.85	30.06	0.00	100.00
Vacuolization	3	0.75	0.68	3.65	0.00	20.00
Hemopoiesis	37	9.23	8.02	16.56	0.00	60.00
Megakaryocytosis	2	0.50	0.68	3.65	0.00	20.00
Inflammatory cell foci	259	64.59	63.28	35.78	0.00	100.00
Peri-/ bile duct inflammation	1	0.25	0.56	4.34	0.00	33.33
Necrosis	3	0.75	0.90	4.67	0.00	33.33
Fibrin tags, capsule	0	0.00	0.00	0.00	0.00	0.00
Serosa, inflammatory infiltration	3	0.75	1.69	13.02	0.00	100.00
Bile duct hyperplasia	3	0.75	1.30	6.19	0.00	33.33
Cytoplasmic vacuolation	0	0.00	0.00	0.00	0.00	0.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	381					
Anomaly	0	0.00	0.00	0.00	0.00	0.00
Hepatodiaphragmatic nodule	0	0.00	0.00	0.00	0.00	0.00
Congestion	6	1.57	1.96	13.41	0.00	100.00
Hemorrhage	0	0.00	0.00	0.00	0.00	0.00
Increased glycogen	71	18.64	20.65	34.29	0.00	100.00
Hemosiderin deposits	3	0.79	0.77	4.63	0.00	33.33
Pigment deposition	2	0.52	0.54	2.97	0.00	20.00
Fatty change	151	39.63	36.70	37.11	0.00	100.00
Vacuolization	7	1.84	1.25	9.35	0.00	70.00
Hemopoiesis	42	11.02	12.41	22.54	0.00	100.00
Megakaryocytosis	3	0.79	1.31	5.74	0.00	33.33
Inflammatory cell foci	233	61.15	58.04	32.60	0.00	100.00
Peri-/ bile duct inflammation	2	0.52	0.71	3.75	0.00	20.00
Necrosis	5	1.31	1.73	9.70	0.00	66.67
Fibrin tags, capsule	0	0.00	0.00	0.00	0.00	0.00
Serosa, inflammatory infiltration	0	0.00	0.00	0.00	0.00	0.00
Bile duct hyperplasia	0	0.00	0.00	0.00	0.00	0.00
Cytoplasmic vacuolation	1	0.26	0.18	1.34	0.00	10.00

Oral cavity

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	35					

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	35					

Tongue

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	95					
Lymphoid cell infiltration	1	1.05	1.00	3.16	0.00	10.00
Mast cell infiltration	0	0.00	0.00	0.00	0.00	0.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	95					
Lymphoid cell infiltration	1	1.05	1.00	3.16	0.00	10.00
Mast cell infiltration	1	1.05	1.00	3.16	0.00	10.00

Esophagus

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	165					
Mononuclear cell foc	0	0.00	0.00	0.00	0.00	0.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	165					
Mononuclear cell foc	1	0.61	0.50	2.24	0.00	10.00

Stomach

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	255					
Glandular cyst	7	2.75	3.24	8.43	0.00	40.00
Epidermal cysts	3	1.18	1.18	4.78	0.00	20.00
Congestion	4	1.57	1.18	5.37	0.00	30.00
Edema	8	3.14	1.76	6.26	0.00	30.00
Hyaline droplets, glandular musosa	34	13.33	11.86	27.21	0.00	100.00
Lymphoid follicles	4	1.57	1.37	5.81	0.00	30.00
Vacuolation	11	4.31	4.61	8.80	0.00	40.00
Mononuclear cell foci	15	5.88	3.82	13.93	0.00	70.00
Inflammatory cell foci	14	5.49	4.56	10.62	0.00	40.00
Eosinophilic inflammatory infiltration	0	0.00	0.00	0.00	0.00	0.00
Erosion/ulceration	1	0.39	0.29	1.71	0.00	10.00
Epithelial hyperplasia, forestomach	0	0.00	0.00	0.00	0.00	0.00
Lymphoid hyperplasia	1	0.39	0.59	3.43	0.00	20.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	241					
Glandular cyst	12	4.98	3.75	7.51	0.00	30.00
Epidermal cysts	0	0.00	0.00	0.00	0.00	0.00
Congestion	3	1.24	0.94	5.30	0.00	30.00
Edema	1	0.41	0.31	1.77	0.00	10.00
Hyaline droplets, glandular musosa	27	11.20	5.63	17.22	0.00	90.00
Lymphoid follicles	3	1.24	0.94	3.90	0.00	20.00
Vacuolation	3	1.24	1.25	4.21	0.00	20.00
Mononuclear cell foci	10	4.15	1.88	10.61	0.00	60.00
Inflammatory cell foci	9	3.73	2.81	9.91	0.00	50.00
Eosinophilic inflammatory infiltration	1	0.41	0.31	1.77	0.00	10.00
Erosion/ulceration	1	0.41	0.31	1.77	0.00	10.00
Epithelial hyperplasia, forestomach	2	0.83	0.63	3.54	0.00	20.00
Lymphoid hyperplasia	0	0.00	0.00	0.00	0.00	0.00

Forestomach

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	105					
Epithelial vacuolization	0	0.00	0.00	0.00	0.00	0.00
Inflammatory cell foci	1	0.95	0.77	2.77	0.00	10.00
Hyperplasia, limiting ridge	0	0.00	0.00	0.00	0.00	0.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	105					
Epithelial vacuolization	1	0.95	1.54	5.55	0.00	20.00
Inflammatory cell foci	0	0.00	0.00	0.00	0.00	0.00
Hyperplasia, limiting ridge	1	0.95	0.77	2.77	0.00	10.00

Glandular stomach

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	105					
Glandular cyst	0	0.00	0.00	0.00	0.00	0.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	105					
Glandular cyst	1	0.95	0.77	2.77	0.00	10.00

Duodenum

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	252					
Congestion	1	0.40	0.32	1.80	0.00	10.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	249					
Congestion	0	0.00	0.00	0.00	0.00	0.00

Jejunum

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	247					
Lymphoid hyperplasia	0	0.00	0.00	0.00	0.00	0.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	244					
Lymphoid hyperplasia	0	0.00	0.00	0.00	0.00	0.00

Ileum

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	247					

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	244					

Peyer's patches NOS

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	20					
Mineralization	0	0.00	0.00	0.00	0.00	0.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	22					
Mineralization	2	9.09	33.33	57.74	0.00	100.00

Peyer's patches – jejunum

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	168					
Congestion	2	1.19	1.00	4.47	0.00	20.00
Mineralization	6	3.57	4.28	9.91	0.00	40.00
Lymphoid hyperplasia	22	13.10	10.83	22.99	0.00	72.22

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	172					
Congestion	3	1.74	1.43	6.55	0.00	30.00
Mineralization	2	1.16	0.74	2.44	0.00	10.00
Lymphoid hyperplasia	22	12.79	11.16	26.70	0.00	90.00

Peyer's patches – ileum

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	160					
Congestion	5	3.13	2.63	7.33	0.00	30.00
Dilation	0	0.00	0.00	0.00	0.00	0.00
Lymphoid hyperplasia	32	20.00	17.63	35.45	0.00	100.00
Mineralization	0	0.00	0.00	0.00	0.00	0.00
Mucous hypersecretion	0	0.00	0.00	0.00	0.00	0.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	162					
Congestion	3	1.85	1.50	6.71	0.00	30.00
Dilation	1	0.62	0.50	2.24	0.00	10.00
Lymphoid hyperplasia	33	20.37	16.97	35.20	0.00	100.00
Mineralization	2	1.23	1.00	4.47	0.00	20.00
Mucous hypersecretion	2	1.23	1.00	4.47	0.00	20.00

Cecum

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	246					
Edema	4	1.63	2.67	14.61	0.00	80.00
Congestion	2	0.81	0.67	3.65	0.00	20.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	249					
Edema	2	0.80	1.29	7.18	0.00	40.00
Congestion	2	0.80	0.65	2.50	0.00	10.00

Colon

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	251					
Dilation	2	0.80	1.13	4.78	0.00	25.00
Nematodes in lumen	1	0.40	0.65	3.59	0.00	20.00
Glandular dilation	0	0.00	0.00	0.00	0.00	0.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	246					
Dilation	3	1.22	1.81	5.91	0.00	25.00
Nematodes in lumen	0	0.00	0.00	0.00	0.00	0.00
Glandular dilation	1	0.41	0.36	2.00	0.00	11.11

Rectum

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	236					
Dilation	3	1.27	1.43	4.48	0.00	20.00
Crypt dilation	1	0.42	0.18	0.94	0.00	5.00
Ulceration	0	0.00	0.00	0.00	0.00	0.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	240					
Dilation	7	2.92	2.67	6.40	0.00	20.00
Crypt dilation	0	0.00	0.00	0.00	0.00	0.00
Ulceration	1	0.42	3.33	18.26	0.00	100.00

Salivary glands

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	0					

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	0					

Parotid salivary glands

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	65					
Cytoplasmic vacuolation	8	12.31	10.00	28.28	0.00	80.00
Heterotopic salivary gland	1	1.54	1.25	3.54	0.00	10.00
Secretory depletion	2	3.08	2.50	7.07	0.00	20.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	65					
Cytoplasmic vacuolation	9	13.85	11.25	31.82	0.00	90.00
Heterotopic salivary gland	0	0.00	0.00	0.00	0.00	0.00
Secretory depletion	0	0.00	0.00	0.00	0.00	0.00

Sublingual salivary glands

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	200					
Heterotopic salivary gland	3	1.50	0.68	3.20	0.00	15.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	200					
Heterotopic salivary gland	1	0.50	0.23	1.07	0.00	5.00

Submandibular salivary glands

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	210					
Lipidosis	3	1.43	1.30	3.44	0.00	10.00
Mineralization	0	0.00	0.00	0.00	0.00	0.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	210					
Lipidosis	0	0.00	0.00	0.00	0.00	0.00
Mineralization	1	0.48	0.43	2.09	0.00	10.00

Urinary bladder

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	200					
Colloid plug	1	0.50	0.45	2.13	0.00	10.00
Mononuclear cell foci	3	1.50	1.36	4.68	0.00	20.00
Lymphoid hyperplasia	0	0.00	0.00	0.00	0.00	0.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	200					
Colloid plug	0	0.00	0.00	0.00	0.00	0.00
Mononuclear cell foci	1	0.50	0.00	0.00	0.00	0.00
Lymphoid hyperplasia	1	0.50	0.45	2.13	0.00	10.00

Ureter

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	80					

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	80					

Kidneys

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	406					
Cyst(s)	3	0.74	0.67	3.33	0.00	20.00
Tubular cyst(s)	5	1.23	1.61	12.70	0.00	100.00
Pelvic dilation	40	9.85	11.91	21.28	0.00	100.00
Hydronephrosis	3	0.74	0.48	3.81	0.00	30.00
Hyaline droplets	235	57.88	61.08	42.81	0.00	100.00
Congestion	5	1.23	1.61	12.70	0.00	100.00
Cortical mineralization	26	6.40	6.02	12.19	0.00	50.00
Medullary mineralization	0	0.00	0.00	0.00	0.00	0.00
Pelvic mineralization	2	0.49	1.94	12.91	0.00	100.00
Mineralization	1	0.25	0.27	2.12	0.00	16.67
Tubular vacuolation	23	5.67	4.14	18.47	0.00	100.00
Tubular basophilia	127	31.28	29.70	27.77	0.00	100.00
Tubular dilation	3	0.74	1.02	5.03	0.00	33.33
Tubular casts	11	2.71	1.94	9.89	0.00	70.00
Tubular atrophy	1	0.25	0.32	2.54	0.00	20.00
Single cell apoptosis	2	0.49	0.54	4.23	0.00	33.33
Interstitial inflammation	7	1.72	1.13	8.89	0.00	70.00
Pyelitis	3	0.74	0.48	3.81	0.00	30.00
Pyelonephritis	0	0.00	0.00	0.00	0.00	0.00
Inflammation	2	0.49	0.16	1.27	0.00	10.00
Fibrosis	0	0.00	0.00	0.00	0.00	0.00
Mononuclear cell foci	73	17.98	18.28	25.22	0.00	100.00
Urothelial hyperplasia	3	0.74	1.94	12.91	0.00	100.00
Inflammatory cell foci	3	0.74	0.97	5.64	0.00	40.00
Karyomegaly	1	0.25	0.27	2.12	0.00	16.67

Historical Control Data on Histological Findings in shorter than 21 Days Studies in RccHan™: WIST, Wistar Hannover Rats

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	383					
Cyst(s)	0	0.00	0.00	0.00	0.00	0.00
Tubular cyst(s)	0	0.00	0.00	0.00	0.00	0.00
Pelvic dilation	22	5.74	6.26	15.61	0.00	100.00
Hydronephrosis	1	0.26	0.18	1.32	0.00	10.00
Hyaline droplets	0	0.00	0.00	0.00	0.00	0.00
Congestion	5	1.31	1.75	13.25	0.00	100.00
Cortical mineralization	128	33.42	30.12	35.10	0.00	100.00
Medullary mineralization	0	0.00	0.00	0.00	0.00	0.00
Pelvic mineralization	0	0.00	0.00	0.00	0.00	0.00
Mineralization	7	1.83	2.05	10.94	0.00	66.67
Tubular vacuolation	29	7.57	5.44	20.18	0.00	100.00
Tubular basophilia	112	29.24	27.22	27.67	0.00	100.00
Tubular dilation	1	0.26	0.18	1.32	0.00	10.00
Tubular casts	9	2.35	1.58	10.66	0.00	80.00
Tubular atrophy	0	0.00	0.00	0.00	0.00	0.00
Single cell apoptosis	0	0.00	0.00	0.00	0.00	0.00
Interstitial inflammation	5	1.31	0.88	6.62	0.00	50.00
Pyelitis	5	1.31	0.88	5.44	0.00	40.00
Pyelonephritis	0	0.00	0.00	0.00	0.00	0.00
Inflammation	0	0.00	0.00	0.00	0.00	0.00
Fibrosis	1	0.26	0.35	2.65	0.00	20.00
Mononuclear cell foci	57	14.88	13.39	21.09	0.00	70.00
Urothelial hyperplasia	2	0.52	0.35	2.65	0.00	20.00
Inflammatory cell foci	3	0.78	1.05	7.95	0.00	60.00
Karyomegaly	0	0.00	0.00	0.00	0.00	0.00

Skin

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	200					
Hemorrhage	0	0.00	0.00	0.00	0.00	0.00
Squamous cyst	0	0.00	0.00	0.00	0.00	0.00
Scab	0	0.00	0.00	0.00	0.00	0.00
Mononuclear cell foci	0	0.00	0.00	0.00	0.00	0.00
Inflammatory cell infiltration	0	0.00	0.00	0.00	0.00	0.00
Acanthosis	4	2.00	1.82	8.53	0.00	40.00
Parakeratosis	1	0.50	0.45	2.13	0.00	10.00
Abscess	0	0.00	0.00	0.00	0.00	0.00
Granuloma	7	3.50	3.18	10.41	0.00	40.00
Erosion	1	0.50	0.45	2.13	0.00	10.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	201					
Hemorrhage	1	0.50	0.43	2.09	0.00	10.00
Squamous cyst	1	0.50	0.22	1.04	0.00	5.00
Scab	1	0.50	0.87	4.17	0.00	20.00
Mononuclear cell foci	5	2.49	2.17	8.50	0.00	40.00
Inflammatory cell infiltration	2	1.00	1.09	4.25	0.00	20.00
Acanthosis	1	0.50	0.43	2.09	0.00	10.00
Parakeratosis	0	0.00	0.00	0.00	0.00	0.00
Abscess	1	0.50	0.43	2.09	0.00	10.00
Granuloma	0	0.00	0.00	0.00	0.00	0.00
Erosion	0	0.00	0.00	0.00	0.00	0.00

Mammary glands

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	165					
Vacuolation	3	1.82	1.76	7.28	0.00	30.00
Secretory activity	14	8.48	8.24	20.38	0.00	70.00
Glandular hyperplasia	18	10.91	10.59	24.36	0.00	70.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	175					
Vacuolation	0	0.00	0.00	0.00	0.00	0.00
Secretory activity	22	12.57	12.22	29.01	0.00	90.00
Glandular hyperplasia	30	17.14	16.67	38.35	0.00	100.00

Testes

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	320					
Maturation arrest	1	0.31	0.23	1.52	0.00	10.00
Hypospermatogenesis	2	0.63	0.47	2.13	0.00	10.00
Sertoli cell vacuolation	17	5.31	3.60	10.87	0.00	50.00
Multinuclear giant spermatidic cells	5	1.56	1.71	6.15	0.00	33.33
Tubular degeneration	13	4.06	3.37	7.77	0.00	30.00
Leydig cell hyperplasia	0	0.00	0.00	0.00	0.00	0.00
Atrophy	1	0.31	2.33	15.25	0.00	100.00

Epididymides

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	244					
Cellular detritus	2	0.82	0.69	2.58	0.00	10.00
Oligospermia	2	0.82	0.69	2.58	0.00	10.00
Epithelial vacuolation	1	0.41	0.34	1.86	0.00	10.00
Mononuclear cell foci	18	7.38	6.72	17.33	0.00	70.00
Inflammatory cell foci	4	1.64	1.38	7.43	0.00	40.00
Sperm granuloma	4	1.64	1.38	4.41	0.00	20.00
Atrophy	1	0.41	3.45	18.57	0.00	100.00

Prostate

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	245					
Mononuclear cell foci	2	0.82	0.74	2.67	0.00	10.00
Inflammatory cell foci	1	0.41	0.74	3.85	0.00	20.00
Inflammation	1	0.41	0.37	1.92	0.00	10.00

Coagulating gland

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	190					

Seminal vesicles

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	214					
Congestion/ hemorrhage	2	0.93	1.20	4.40	0.00	20.00
Reduced secretion	4	1.87	5.20	20.23	0.00	100.00
Atrophy	5	2.34	5.60	20.22	0.00	100.00

Ovaries

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	294					
Cyst(s)	1	0.34	0.26	1.60	0.00	10.00
Congestion	13	4.42	5.38	21.38	0.00	100.00
Fat infiltration	1	0.34	0.13	0.80	0.00	5.00
Mononuclear cell foci	1	0.34	0.26	1.60	0.00	10.00
Stromal cell hyperplasia	3	1.02	2.56	16.01	0.00	100.00
Atrophy	0	0.00	0.00	0.00	0.00	0.00
Active corpora lutea	10	3.40	2.56	16.01	0.00	100.00

Oviducts

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	43					

Uterus

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	243					
Cyst	2	0.82	0.74	2.67	0.00	10.00
Cornual dilation	34	13.99	13.33	22.36	0.00	80.00
Proestrus	14	5.76	5.19	13.12	0.00	40.00
Estrus	6	2.47	2.22	5.77	0.00	20.00
Diestrus	10	4.12	3.70	9.26	0.00	30.00
Metestrus	10	4.12	3.70	9.67	0.00	40.00
Atrophy	0	0.00	0.00	0.00	0.00	0.00

Cervix

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	135					
Mucification	5	3.70	3.33	12.91	0.00	50.00

Vagina

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	229					
Cyst	0	0.00	0.00	0.00	0.00	0.00
Dilated lumen	0	0.00	0.00	0.00	0.00	0.00
Hemorrhage	0	0.00	0.00	0.00	0.00	0.00
Proestrus	37	16.16	16.80	20.96	0.00	60.00
Estrus	28	12.23	11.60	13.44	0.00	40.00
Metestrus	27	11.79	11.40	13.50	0.00	40.00
Diestrus	33	14.41	12.20	16.84	0.00	50.00
Anestrus	0	0.00	0.00	0.00	0.00	0.00
Mucosal atrophy	0	0.00	0.00	0.00	0.00	0.00
Keratinisation	4	1.75	1.60	8.00	0.00	40.00
Mucification	1	0.44	0.40	2.00	0.00	10.00
Mononuclear cell foci	1	0.44	0.40	2.00	0.00	10.00

Bone marrow

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	40					
Fatty replacement	7	17.50	17.50	35.00	0.00	70.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	40					
Fatty replacement	5	12.50	12.50	25.00	0.00	50.00

Bone marrow – sternal

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	75					
Increased erythropoiesis	0	0.00	0.00	0.00	0.00	0.00
Fatty replacement	19	25.33	23.75	44.06	0.00	100.00
Sinus. ectasia marrow	0	0.00	0.00	0.00	0.00	0.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	75					
Increased erythropoiesis	0	0.00	0.00	0.00	0.00	0.00
Fatty replacement	20	26.67	25.00	46.29	0.00	100.00
Sinus. ectasia marrow	2	2.67	2.50	7.07	0.00	20.00

Bone marrow – femur

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	186					
Congestion	0	0.00	0.00	0.00	0.00	0.00
Fatty replacement	55	29.57	28.10	37.76	0.00	100.00
Fat cells	7	3.76	3.33	15.28	0.00	70.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	175					
Congestion	2	1.14	0.53	2.35	0.00	10.53
Fatty replacement	50	28.57	24.95	33.23	0.00	90.00
Fat cells	5	2.86	2.50	11.18	0.00	50.00

Mesentric lymph node

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	230					
Congestion/ Erythrophagocytosis	0	0.00	0.00	0.00	0.00	0.00
Hemorrhage	1	0.43	0.37	1.92	0.00	10.00
Sinusoidal dilation	3	1.30	1.67	5.37	0.00	20.00
Histiocytosis	12	5.22	4.81	17.84	0.00	90.00
Mastocytosis	8	3.48	4.07	11.18	0.00	40.00
Lymphoid hyperplasia	102	44.35	42.04	47.11	0.00	100.00
Hemangioma	7	3.04	5.19	26.94	0.00	140.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	230					
Congestion/ Erythrophagocytosis	1	0.43	0.37	1.92	0.00	10.00
Hemorrhage	0	0.00	0.00	0.00	0.00	0.00
Sinusoidal dilation	3	1.30	2.22	11.55	0.00	60.00
Histiocytosis	13	5.65	4.81	19.88	0.00	100.00
Mastocytosis	5	2.17	3.33	10.74	0.00	40.00
Lymphoid hyperplasia	91	39.57	35.74	43.82	0.00	110.00
Hemangioma	8	3.48	5.93	30.79	0.00	160.00

Mandibular lymph node

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	213					
Congestion	0	0.00	0.00	0.00	0.00	0.00
Erythrophagocytosis	3	1.41	1.20	6.00	0.00	30.00
Hemorrhage	13	6.10	5.29	16.45	0.00	80.00
Histiocytosis	3	1.41	1.20	6.00	0.00	30.00
Plasmocytosis	74	34.74	32.13	41.43	0.00	100.00
Mast cell infiltration	1	0.47	0.44	2.22	0.00	11.11
Lymphoid hyperplasia	58	27.23	26.00	38.08	0.00	100.00
Pigment depositions	1	0.47	0.40	2.00	0.00	10.00
Sinusoidal dilation	2	0.94	0.80	2.77	0.00	10.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	213					
Congestion	0	0.00	0.00	0.00	0.00	0.00
Erythrophagocytosis	6	2.82	2.40	12.00	0.00	60.00
Hemorrhage	2	0.94	0.90	3.14	0.00	12.50
Histiocytosis	0	0.00	0.00	0.00	0.00	0.00
Plasmocytosis	73	34.27	32.70	42.95	0.00	100.00
Mast cell infiltration	0	0.00	0.00	0.00	0.00	0.00
Lymphoid hyperplasia	54	25.35	24.00	37.64	0.00	100.00
Pigment depositions	0	0.00	0.00	0.00	0.00	0.00
Sinusoidal dilation	7	3.29	2.80	14.00	0.00	70.00

Mediastinal lymph node

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	35					
Congestion/Erythrophagocytosis	7	20.00	5.00	10.00	0.00	20.00
Hemorrhage	0	0.00	0.00	0.00	0.00	0.00
Plasmacytosis	0	0.00	0.00	0.00	0.00	0.00
Hemosiderin	2	5.71	10.00	20.00	0.00	40.00
Pigment deposition	6	17.14	15.00	30.00	0.00	60.00
Lymphoid hyperplasia	5	14.29	20.00	27.08	0.00	60.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	35					
Congestion/Erythrophagocytosis	7	20.00	5.00	10.00	0.00	20.00
Hemorrhage	7	20.00	17.50	35.00	0.00	70.00
Plasmacytosis	0	0.00	0.00	0.00	0.00	0.00
Hemosiderin	3	8.57	15.00	30.00	0.00	60.00
Pigment deposition	10	28.57	25.00	37.86	0.00	80.00
Lymphoid hyperplasia	9	25.71	27.50	27.54	0.00	60.00

Bronchial lymph node

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	13					
Lymphoid hyperplasia	3	23.08	38.33	40.07	10.00	66.67

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	13					
Lymphoid hyperplasia	0	0.00	0.00	0.00	0.00	0.00

Tracheobronchial lymph node

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	68					
Erythrophagocytosis	1	1.47	1.00	3.16	0.00	10.00
Hemorrhage	0	0.00	0.00	0.00	0.00	0.00
Hemosiderin	0	0.00	0.00	0.00	0.00	0.00
Pigment deposition	0	0.00	0.00	0.00	0.00	0.00
Squamous metaplasia	0	0.00	0.00	0.00	0.00	0.00
Lymphoid hyperplasia	11	16.18	11.00	31.43	0.00	100.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	68					
Erythrophagocytosis	6	8.82	8.00	16.87	0.00	40.00
Hemorrhage	3	4.41	3.00	9.49	0.00	30.00
Hemosiderin	3	4.41	6.00	18.97	0.00	60.00
Pigment deposition	5	7.35	5.00	12.69	0.00	40.00
Squamous metaplasia	1	1.47	1.00	3.16	0.00	10.00
Lymphoid hyperplasia	12	17.65	12.00	31.55	0.00	100.00

Renal lymph nodes

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	30					
Erythrophagocytosis	2	6.67	6.67	5.77	0.00	10.00
Sinusoidal dilation	0	0.00	0.00	0.00	0.00	0.00
Histiocytosis	10	33.33	33.33	57.74	0.00	100.00
Pigment deposition	2	6.67	6.67	11.55	0.00	20.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	30					
Erythrophagocytosis	11	36.67	36.67	25.17	10.00	60.00
Sinusoidal dilation	1	3.33	3.33	5.77	0.00	10.00
Histiocytosis	9	30.00	30.00	51.96	0.00	90.00
Pigment deposition	6	20.00	20.00	34.64	0.00	60.00

Other lymph nodes

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	107					
Plasmacytosis	1	0.93	2.56	9.25	0.00	33.33
Histiocytosis	18	16.82	19.23	37.52	0.00	100.00
Mast cell infiltration	1	0.93	0.77	2.77	0.00	10.00
Lymphoid hyperplasia	18	16.82	18.59	24.79	0.00	66.67
Plasma cell infiltrate	0	0.00	0.00	0.00	0.00	0.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	103					
Plasmacytosis	0	0.00	0.00	0.00	0.00	0.00
Histiocytosis	5	4.85	10.00	28.60	0.00	100.00
Mast cell infiltration	2	1.94	1.67	5.77	0.00	20.00
Lymphoid hyperplasia	17	16.50	17.64	24.56	0.00	66.67
Plasma cell infiltrate	1	0.97	0.83	2.89	0.00	10.00

Thymus

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	264					
Involution/ Atrophy	19	7.20	5.53	18.99	0.00	100.00
Cyst(s)	26	9.85	10.92	24.27	0.00	100.00
Congestion	6	2.27	6.32	22.71	0.00	100.00
Hemorrhage	25	9.47	6.45	17.20	0.00	90.00
Edema, interstitial	2	0.76	1.05	6.49	0.00	40.00
Lymphocytolysis/ Phagocytosis	6	2.27	2.11	7.77	0.00	40.00
Pigment deposition	0	0.00	0.00	0.00	0.00	0.00
Histiocytosis	14	5.30	7.37	25.65	0.00	100.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	266					
Involution/ Atrophy	14	5.26	6.75	22.85	0.00	100.00
Cyst(s)	49	18.42	21.28	30.79	0.00	100.00
Congestion	9	3.38	6.50	22.75	0.00	100.00
Hemorrhage	17	6.39	4.62	13.15	0.00	60.00
Edema, interstitial	4	1.50	2.05	12.81	0.00	80.00
Lymphocytolysis/ Phagocytosis	1	0.38	0.26	1.60	0.00	10.00
Pigment deposition	0	0.00	0.00	0.00	0.00	0.00
Histiocytosis	8	3.01	4.10	14.64	0.00	60.00

Spleen

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	278					
Congestion	1	0.36	0.50	3.16	0.00	20.00
Extramedullary hematopoiesis	176	63.31	55.38	46.07	0.00	100.00
Granulopoiesis	0	0.00	0.00	0.00	0.00	0.00
Hemosiderin	23	8.27	9.83	26.72	0.00	100.00
Giant cells	1	0.36	0.25	1.58	0.00	10.00
Increased erythropoiesis	6	2.16	5.00	22.07	0.00	100.00
Lymphoid depletion	0	0.00	0.00	0.00	0.00	0.00
Megakaryocytosis	0	0.00	0.00	0.00	0.00	0.00
Capsular fibrosis	2	0.72	1.00	6.32	0.00	40.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	281					
Congestion	5	1.78	1.46	5.73	0.00	30.00
Extramedullary hematopoiesis	169	60.14	54.27	46.20	0.00	100.00
Granulopoiesis	1	0.36	0.81	5.21	0.00	33.33
Hemosiderin	60	21.35	18.33	32.77	0.00	100.00
Giant cells	0	0.00	0.00	0.00	0.00	0.00
Increased erythropoiesis	8	2.85	6.50	23.83	0.00	100.00
Lymphoid depletion	0	0.00	0.00	0.00	0.00	0.00
Megakaryocytosis	3	1.07	2.44	15.62	0.00	100.00
Capsular fibrosis	4	1.42	1.95	9.80	0.00	60.00

Bone femur

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	162					
Thrombus	1	0.62	1.11	4.71	0.00	20.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	162					
Thrombus	0	0.00	0.00	0.00	0.00	0.00

Bone sternum

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	143					
Chondromucinous degeneration	14	9.79	9.33	24.63	0.00	70.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Number of rats examined	133					
Chondromucinous degeneration	16	12.03	11.43	29.05	0.00	80.00

Skeletal muscle

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	165					
Mononuclear cell foci	4	2.42	2.65	6.64	0.00	20.00
Inflammation cell infiltration	1	0.61	0.29	1.21	0.00	5.00
Hyaline degeneration	1	0.61	1.18	4.85	0.00	20.00
Myofiber atrophy	3	1.82	1.76	5.29	0.00	20.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	165					
Mononuclear cell foci	4	2.42	1.47	4.24	0.00	15.00
Inflammation cell infiltration	0	0.00	0.00	0.00	0.00	0.00
Hyaline degeneration	1	0.61	1.18	4.85	0.00	20.00
Myofiber atrophy	2	1.21	0.88	2.64	0.00	10.00

Gastrocnemius muscle

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	5					

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	5					

Levator ani

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	10					

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	20					

Injection site

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	64					
Hemorrhage	5	7.81	5.56	11.30	0.00	30.00
Edema	0	0.00	0.00	0.00	0.00	0.00
Scab formation	1	1.56	0.62	1.85	0.00	5.56
Foreign body	0	0.00	0.00	0.00	0.00	0.00
Giant cell	3	4.69	3.33	10.00	0.00	30.00
Mononuclear cell foci	2	3.13	4.44	13.33	0.00	40.00
Thrombosis	2	3.13	2.22	6.67	0.00	20.00
Vasculitis	1	1.56	2.78	8.33	0.00	25.00
Perivasculitis	10	15.63	16.11	31.99	0.00	75.00
Phlebitis/periphlebitis	8	12.50	8.40	23.17	0.00	70.00
Inflammatory cell foci	12	18.75	13.58	22.46	0.00	60.00
Dermal inflammation	0	0.00	0.00	0.00	0.00	0.00
Subcutis inflammation	0	0.00	0.00	0.00	0.00	0.00
Necrosis	0	0.00	0.00	0.00	0.00	0.00
Fibrosis	1	1.56	0.62	1.85	0.00	5.56
Vascular degeneration	5	7.81	5.56	16.67	0.00	50.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	67					
Hemorrhage	1	1.49	0.56	1.67	0.00	5.00
Edema	1	1.49	0.56	1.67	0.00	5.00
Scab formation	1	1.49	0.56	1.67	0.00	5.00
Foreign body	2	2.99	4.44	13.33	0.00	40.00
Giant cell	0	0.00	0.00	0.00	0.00	0.00
Mononuclear cell foci	1	1.49	2.22	6.67	0.00	20.00
Thrombosis	3	4.48	3.89	6.97	0.00	20.00
Vasculitis	7	10.45	10.00	20.00	0.00	50.00
Perivasculitis	11	16.42	16.67	28.28	0.00	70.00
Phlebitis/periphlebitis	16	23.88	14.44	33.58	0.00	100.00
Inflammatory cell foci	11	16.42	11.67	33.17	0.00	100.00
Dermal inflammation	0	0.00	0.00	0.00	0.00	0.00
Subcutis inflammation	1	1.49	0.56	1.67	0.00	5.00
Necrosis	0	0.00	0.00	0.00	0.00	0.00
Fibrosis	1	1.49	1.11	3.33	0.00	10.00
Vascular degeneration	10	14.93	11.11	33.33	0.00	100.00

Injection site 1

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	3					
Scab formation	3	100.00	100.00	0.00	100.00	100.00
Epidermal ulceration	1	33.33	33.33	0.00	33.33	33.33
Dermal inflammation	2	66.67	66.67	0.00	66.67	66.67
Subcutaneous inflammation	1	33.33	33.33	0.00	33.33	33.33

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	3					
Scab formation	1	33.33	33.33	0.00	33.33	33.33
Epidermal ulceration	0	0.00	0.00	0.00	0.00	0.00
Dermal inflammation	1	33.33	33.33	0.00	33.33	33.33
Subcutaneous inflammation	1	33.33	33.33	0.00	33.33	33.33

Injection site 2

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	3					
Scab formation	3	100.00	100.00	0.00	100.00	100.00
Epidermal ulceration	2	66.67	66.67	0.00	66.67	66.67
Dermal inflammation	2	66.67	66.67	0.00	66.67	66.67
Subcutaneous inflammation	0	0.00	0.00	0.00	0.00	0.00
Epidermal hyperplasia	3	100.00	100.00	0.00	100.00	100.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	3					
Scab formation	3	100.00	100.00	0.00	100.00	100.00
Epidermal ulceration	3	100.00	100.00	0.00	100.00	100.00
Dermal inflammation	3	100.00	100.00	0.00	100.00	100.00
Subcutaneous inflammation	2	66.67	66.67	0.00	66.67	66.67
Epidermal hyperplasia	3	100.00	100.00	0.00	100.00	100.00

Injection site 3

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	3					
Scab formation	2	66.67	66.67	0.00	66.67	66.67
Epidermal ulceration	3	100.00	100.00	0.00	100.00	100.00
Dermal inflammation	3	100.00	100.00	0.00	100.00	100.00
Subcutaneous inflammation	2	66.67	66.67	0.00	66.67	66.67
Epidermal hyperplasia	2	66.67	66.67	0.00	66.67	66.67

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	3					
Scab formation	1	33.33	33.33	0.00	33.33	33.33
Epidermal ulceration	3	100.00	100.00	0.00	100.00	100.00
Dermal inflammation	3	100.00	100.00	0.00	100.00	100.00
Subcutaneous inflammation	3	100.00	100.00	0.00	100.00	100.00
Epidermal hyperplasia	2	66.67	66.67	0.00	66.67	66.67

Injection site 4

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	3					
Scab formation	2	66.67	66.67	0.00	66.67	66.67
Epidermal ulceration	1	33.33	33.33	0.00	33.33	33.33
Dermal inflammation	3	100.00	100.00	0.00	100.00	100.00
Subcutaneous inflammation	3	100.00	100.00	0.00	100.00	100.00
Epidermal hyperplasia	3	100.00	100.00	0.00	100.00	100.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	3					
Scab formation	1	33.33	33.33	0.00	33.33	33.33
Epidermal ulceration	3	100.00	100.00	0.00	100.00	100.00
Dermal inflammation	3	100.00	100.00	0.00	100.00	100.00
Subcutaneous inflammation	3	100.00	100.00	0.00	100.00	100.00
Epidermal hyperplasia	3	100.00	100.00	0.00	100.00	100.00

Tail vein

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	16					
Epidermal inclusion cyst	1	6.25	6.67	11.55	0.00	20.00
Hemorrhage	6	37.50	30.00	30.00	0.00	60.00
Parietal thrombus	1	6.25	6.67	11.55	0.00	20.00
Foreign body embolus	1	6.25	3.33	5.77	0.00	10.00
Inflammation, interstitial	1	6.25	33.33	57.74	0.00	100.00
Necrosis	5	31.25	26.67	30.55	0.00	60.00
Phlebitis/Periphlebitis	7	43.75	36.67	40.41	0.00	80.00
Fibrosis	1	6.25	3.33	5.77	0.00	10.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	15					
Epidermal inclusion cyst	0	0.00	0.00	0.00	0.00	0.00
Hemorrhage	6	40.00	45.00	21.21	30.00	60.00
Parietal thrombus	0	0.00	0.00	0.00	0.00	0.00
Foreign body embolus	0	0.00	0.00	0.00	0.00	0.00
Inflammation, interstitial	0	0.00	0.00	0.00	0.00	0.00
Necrosis	11	73.33	80.00	28.28	60.00	100.00
Phlebitis/Periphlebitis	14	93.33	95.00	7.07	90.00	100.00
Fibrosis	0	0.00	0.00	0.00	0.00	0.00

Tail

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	20					
Hemorrhage	0	0.00	0.00	0.00	0.00	0.00
Edema	0	0.00	0.00	0.00	0.00	0.00
Mononuclear cell foci	0	0.00	0.00	0.00	0.00	0.00
Inflammatory cell infiltration	1	5.00	5.00	7.07	0.00	10.00
Parakeratosis	1	5.00	5.00	7.07	0.00	10.00
Phlebitis/Periphlebitis	13	65.00	65.00	91.92	0.00	130.00
Inflammation, interstitial	0	0.00	0.00	0.00	0.00	0.00
Fibrosis	0	0.00	0.00	0.00	0.00	0.00
Skin material vein	2	10.00	10.00	14.14	0.00	20.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	20					
Hemorrhage	1	5.00	5.00	7.07	0.00	10.00
Edema	0	0.00	0.00	0.00	0.00	0.00
Mononuclear cell foci	0	0.00	0.00	0.00	0.00	0.00
Inflammatory cell infiltration	1	5.00	5.00	7.07	0.00	10.00
Parakeratosis	0	0.00	0.00	0.00	0.00	0.00
Phlebitis/Periphlebitis	14	70.00	70.00	70.71	20.00	120.00
Inflammation, interstitial	0	0.00	0.00	0.00	0.00	0.00
Fibrosis	0	0.00	0.00	0.00	0.00	0.00
Skin material vein	0	0.00	0.00	0.00	0.00	0.00

Infusion site

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	21					
Mononuclear cell foci	2	9.52	10.00	11.55	0.00	20.00

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	6					
Mononuclear cell foci	0	0.00	0.00	0.00	0.00	0.00

Implantation site

Male	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	24					
Cyst(s)	11	45.83	50.00	28.87	33.33	100.00
Mononuclear cell foci	20	83.33	83.33	23.57	50.00	100.00
Multinuclear giant cells	7	29.17	26.67	27.89	0.00	66.67
Fibrosis	22	91.67	90.00	14.91	66.67	100.00
Abscess	3	12.50	10.00	14.91	0.00	33.33
Ossification	10	41.67	40.00	25.28	0.00	66.67
Hemosiderin	10	41.67	43.33	46.55	0.00	100.00
Extramedullary hemopoiesis	3	12.50	13.33	18.26	0.00	33.33
Neovascularization	22	91.67	90.00	14.91	66.67	100.00
Hemorrhage	4	16.67	23.33	27.89	0.00	66.67

Female	Total n	Total %	Mean %	STDEV %	MIN %	MAX %
Numbers of rats examined	0					
Cyst(s)	0	0.00	0.00	0.00	0.00	0.00
Mononuclear cell foci	0	0.00	0.00	0.00	0.00	0.00
Multinuclear giant cells	0	0.00	0.00	0.00	0.00	0.00
Fibrosis	0	0.00	0.00	0.00	0.00	0.00
Abscess	0	0.00	0.00	0.00	0.00	0.00
Ossification	0	0.00	0.00	0.00	0.00	0.00
Hemosiderin	0	0.00	0.00	0.00	0.00	0.00
Extramedullary hemopoiesis	0	0.00	0.00	0.00	0.00	0.00
Neovascularization	0	0.00	0.00	0.00	0.00	0.00
Hemorrhage	0	0.00	0.00	0.00	0.00	0.00