

Background data – Clinical chemistry parameters

Parameter	Abbrv.	Unit		Male 2 days	Male 1 week	Male 2 weeks	Male 4 weeks	Male 5 weeks
Alanine aminotransferase	ALAT	µKat/L	MEAN	ND	0,34	0,44	0,33	0,57
			SD	ND	0,03	0,16	0,10	0,15
			NUMBER	0	4	5	5	7
Aspartate aminotransferase	ASAT	µKat/L	MEAN	0,97	0,46	0,75	0,51	0,56
			SD	0,08	0,09	0,33	0,2	0,22
			NUMBER	2	3	4	5	5
Alkaline phosphatase	ALKPH	µKat/L	MEAN	39,68	17,59	18,79	10,61	3,43
			SD	13,3	4,24	3,24	2,47	0,93
			NUMBER	7	9	6	7	7
Gamma glutamyltransferase	GGT	µKat/L	MEAN	2,09	1,03	1,40	1,22	1,82
			SD	0,78	0,25	0,24	0,18	0,64
			NUMBER	7	9	7	7	7
Bilirubin (total)	BILI	mmol/L	MEAN	3,55	1,71	1,75	1,56	2,61
			SD	1,37	0,45	0,28	0,53	1,35
			NUMBER	6	8	6	5	7
Cholesterol	CHOL	mmol/L	MEAN	1,90	3,15	3,05	4,78	3,94
			SD	0,25	0,69	0,47	1,26	1,85
			NUMBER	7	9	7	7	7
Triglycerides	TRIG	mmol/L	MEAN	4,37	1,91	1,39	1,34	0,74
			SD	2,62	1,05	0,24	0,65	0,24
			NUMBER	7	9	7	7	7
Carbamide	UREA	mmol/L	MEAN	6,35	4,75	3,35	2,43	4,39
			SD	1,45	2,05	0,92	0,75	2,86
			NUMBER	7	9	7	7	7

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Parameter	Abbrv.	Unit		Male 2 days	Male 1 week	Male 2 weeks	Male 4 weeks	Male 5 weeks
Creatinine	CREAT	mmol/L	MEAN	36,43	46,0	47,29	43,71	60,43
			SD	2,30	3,97	6,37	8,79	8,75
			NUMBER	7	9	7	7	7
Glucose (wholeblood)	GLUC	mmol/L	MEAN	6,92	7,49	7,00	7,67	4,99
			SD	1,06	1,02	0,93	1,19	0,63
			NUMBER	6	9	7	7	7
Calcium	Ca	mmol/L	MEAN	136,6	3,06	2,95	139,8	2,59
			SD	2,29	0,18	0,15	2,18	0,13
			NUMBER	7	9	6	7	7
Magnesium	Mg	mmol/L	MEAN	4,93	1,14	1,20	4,64	0,97
			SD	0,69	0,13	0,14	0,46	0,03
			NUMBER	7	9	6	7	7
Inorganic phosphorous	Pi	mmol/L	MEAN	3,40	3,14	3,50	2,84	2,73
			SD	0,31	0,22	0,45	0,1	0,35
			NUMBER	6	9	7	7	7
Sodium	Na	mmol/L	MEAN	0,79	140,1	140,8	1,03	144,2
			SD	0,09	1,92	2,3	0,03	1,61
			NUMBER	7	9	7	7	7
Potassium	K	mmol/L	MEAN	1,78	5,23	5,37	3,22	5,31
			SD	0,39	0,46	1,11	0,21	0,31
			NUMBER	7	9	6	7	7
Chloride	Cl	mmol/L	MEAN	90,31	94,98	95,01	95,79	100,1
			SD	1,85	1,60	1,33	1,64	1,73
			NUMBER	7	9	7	7	7

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Protein (total)	TP	g/L	MEAN	58,59	49,63	51,39	54,36	59,53
			SD	14,2	4,93	2,12	2,71	3,07
			NUMBER	7	9	7	7	7
Albumin	ALB	g/L	MEAN	17,62	31,31	36,14	43,79	47,46
			SD	3,36	2,93	2,70	1,21	2,62
			NUMBER	5	9	7	7	7
Globulin	GLO	g/L	MEAN	0,41	18,32	15,24	4,17	12,07
			SD	0,09	4,94	3,60	0,87	2,89
			NUMBER	5	9	7	7	7
Albumin/globulin ratio	AL/G		MEAN	44,76	1,83	2,57	10,84	4,27
			SD	13,4	0,58	1,03	2,05	1,66
			NUMBER	5	9	7	7	7
Amylase	AMYL	µKat/L	MEAN	9,61	36,31	37,12	13,76	32,69
			SD	13,95	8,77	12,0	10,5	5,13
			NUMBER	7	8	7	7	7
Creatinekinase	CK	µKat/L	MEAN	10,27	5,28	16,22	11,22	11,16
			SD	1,88	4,62	11,9	0,79	8,56
			NUMBER	7	9	7	7	7
Lactate dehydrogenase	LDH	µKat/L	MEAN	ND	8,74	11,86	ND	9,6
			SD	ND	2,03	3,21	ND	1,06
			NUMBER	0	9	7	0	7
Sorbitol dehydrogenase	SDH	µKat/L	MEAN	31,15	ND	ND	49,32	0,08
			SD	4,49	ND	ND	4,20	0,02
			NUMBER	7	0	0	7	7

Background data – Clinical chemistry parameters

Clinical chemistry parameters in piglets of different ages - Male

Data from 2016

The haematological values were determined using the instrumentation below:

Cobas 6000, colorimetric: ASAT, ALAT, ALP, GGT, PHOS, CHOL, TRIG, UREA, CREA, GLUC, BILI, CA, MG, CK, ALB, TP, LDH, AMYL, SDH

Cobas 6000, ion selective electrodes: NA, K, CL,

Globulin and A/G ratio was calculated from Cobas results