

Background data - Clinical chemistry parameters

Parameter	Abbrv.	Unit		Female 2 days	Female 1 week	Female 2 weeks	Female 4 weeks	Female 5 weeks
Alanine aminotransferase	ALAT	µKat/L	MEAN	ND	0,39	0,42	0,40	0,60
			SD	ND	0,08	0,11	0,02	0,1
			NUMBER	0	2	4	3	7
Aspartate aminotransferase	ASAT	µKat/L	MEAN	0,99	0,43	0,88	0,46	0,61
			SD	0	0,01	0,44	0,06	0,32
			NUMBER	1	2	3	3	7
Alkaline phosphatase	ALKPH	µKat/L	MEAN	28,62	17,97	18,49	7,39	2,77
			SD	8,66	3,88	10,6	1,11	0,33
			NUMBER	7	7	7	7	7
Gamma glutamyltransferase	GGT	µKat/L	MEAN	2,68	1,01	1,33	1,24	1,67
			SD	0,34	0,19	0,34	0,08	0,75
			NUMBER	6	7	7	7	7
Bilirubin (total)	BILI	mmol/L	MEAN	2,72	1,57	1,62	1,35	4,67
			SD	0,65	0,65	0,5	0,31	2,19
			NUMBER	5	7	6	6	6
Cholesterol	CHOL	mmol/L	MEAN	2,52	3,54	3,64	6,80	3,74
			SD	0,86	0,61	0,9	2,33	1,44
			NUMBER	7	7	7	7	7
Triglycerides	TRIG	mmol/L	MEAN	3,70	1,95	1,33	1,63	1,22
			SD	1,67	0,46	0,62	0,88	0,81
			NUMBER	7	7	7	7	7
Carbamide	UREA	mmol/L	MEAN	6,20	3,76	3,76	1,93	4,61
			SD	1,90	1,27	1,48	0,5	1,89
			NUMBER	6	7	7	7	7

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Parameter	Abbrv.	Unit		Female 2 days	Female 1 week	Female 2 weeks	Female 4 weeks	Female 5 weeks
Creatinine	CREAT	mmol/L	MEAN	38,0	48,14	45,71	43,14	57,29
			SD	5,80	6,72	7,54	4,41	7,61
			NUMBER	7	7	7	7	7
Glucose (wholeblood)	GLUC	mmol/L	MEAN	7,02	7,84	7,01	7,02	4,83
			SD	1,24	1,02	0,53	0,66	1,34
			NUMBER	5	7	7	7	7
Calcium	Ca	mmol/L	MEAN	140,1	2,93	2,94	141,2	143,9
			SD	1,57	0,21	0,22	1,96	3,21
			NUMBER	7	7	7	7	7
Magnesium	Mg	mmol/L	MEAN	4,41	1,04	1,18	4,94	6,38
			SD	0,81	0,12	0,19	0,53	1,22
			NUMBER	7	7	7	7	7
Inorganic phosphorous	Pi	mmol/L	MEAN	3,56	2,86	3,45	2,96	2,56
			SD	0,49	0,31	0,40	0,05	0,15
			NUMBER	5	7	7	7	7
Sodium	Na	mmol/L	MEAN	0,80	139,5	143,3	1,00	1,15
			SD	0,05	1,23	2,30	0,07	0,17
			NUMBER	7	7	7	7	7
Potassium	K	mmol/L	MEAN	1,77	5,10	6,49	3,23	2,37
			SD	0,35	0,53	1,55	0,07	0,22
			NUMBER	6	7	7	7	7
Chloride	Cl	mmol/L	MEAN	93,01	96,34	96,67	97,67	99,34
			SD	3,10	1,57	2,96	1,70	2,62
			NUMBER	7	7	7	7	7

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Parameter	Abbrv.	Unit		Female 2 days	Female 1 week	Female 2 weeks	Female 4 weeks	Female 5 weeks
Protein (total)	TP	g/L	MEAN	54,33	47,26	52,64	54,67	59,00
			SD	9,58	4,20	8,06	3,14	4,78
			NUMBER	7	7	7	7	7
Albumin	ALB	g/L	MEAN	18,48	30,67	37,54	43,17	45,01
			SD	2,64	3,43	4,30	1,68	2,09
			NUMBER	5	7	7	7	7
Globulin	GLO	g/L	MEAN	0,51	16,59	15,1	3,90	3,37
			SD	0,07	1,82	5,42	0,83	0,80
			NUMBER	5	7	7	7	7
Albumin/globulin ratio	AL/G		MEAN	36,96	1,86	2,76	11,5	13,99
			SD	8,05	0,27	1,00	2,62	3,30
			NUMBER	5	7	7	7	7
Amylase	AMYL	µKat/L	MEAN	4,75	37,69	38,64	13,06	8,21
			SD	2,55	11,3	12,7	6,45	8,39
			NUMBER	6	7	7	7	7
Creatinekinase	CK	µKat/L	MEAN	8,57	4,81	14,29	11,73	12,14
			SD	0,04	1,05	11,5	0,95	2,41
			NUMBER	6	7	7	7	7
Lactate dehydrogenase	LDH	µKat/L	MEAN	ND	7,78	10,21	ND	0,09
			SD	ND	0,58	7	ND	0,06
			NUMBER	0	7	1,95	1	5
Sorbitol dehydrogenase	SDH	µKat/L	MEAN	28,89	ND	ND	45,83	25,34
			SD	7,11	ND	ND	3,24	3,62
			NUMBER	6	0	1	7	7

Background data – Clinical chemistry parameters

Clinical chemistry parameters in piglets of different ages – Female

Data from 2016

The clinical chemical 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