

Background data - Hematology parameters

Parameter	Abbrv.	Unit		2 days, Iron 24h PP Female	2 days, iron 48h PP Female	2 days, iron 9 days PP Female	1 week, iron 24h PP Female	1 week, iron 48h PP Female	1 week,iron 9 days PP Female
Hemoglobin	HB	mmol/L	MEAN	6,1	7,02	6,77	5,13	6,20	4,98
			SD	0,93	1,11	0,36	0,39	0,46	ND
			NUMBER	5	6	2	3	5	1
Red blood cell count	RBC	10 ¹² /L	MEAN	4,59	5,39	5,86	4,12	4,69	4,64
			SD	0,75	0,90	0,31	0,56	0,45	ND
			NUMBER	5	6	2	3	5	1
Hematocrit	HT	mmol/L	MEAN	0,28	0,33	0,33	0,26	0,31	0,26
			SD	0,05	0,05	0,02	0,02	0,02	ND
			NUMBER	5	6	2	3	5	1
Reticulocyte count	RETIC	% (UD)	MEAN	8,06	6,55	6,2	ND	ND	ND
			SD	1,05	1,46	1,44	ND	ND	ND
			NUMBER	5	6	2	0	0	0
Reticulocyte count	RETIC	10 ¹² /L	MEAN	0,37	0,34	0,37	0,07	0,01	0,1
			SD	0,06	0,03	0,10	0,06	ND	ND
			NUMBER	5	6	2	3	5	1
Mean cell volume	MCV	fL	MEAN	60,6	60,67	55,5	19,4	20,22	19,4
			SD	4,45	2,80	0,71	0,26	0,24	ND
			NUMBER	5	6	2	3	5	1
Mean cell hemoglobin	MCH	fmol	MEAN	1,34	1,30	1,16	64,67	65,4	55
			SD	0,12	0,04	0,01	5,13	5,77	ND
			NUMBER	5	6	2	3	5	1
Mean cell hemoglobin concentration	MCHC	mmol/L	MEAN	22,05	21,38	20,7	1,25	1,33	1,07
			SD	1,73	0,34	0,14	0,09	0,12	ND
			NUMBER	5	6	2	3	5	1

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White blood cell count	WBC	10 ⁹ /L	MEAN	11,88	9,38	13,3	12,83	21,52	19,1
			SD	2,44	2,52	2,83	3,15	2,09	ND
			NUMBER	5	6	2	3	5	1
Neutrophils	NEUTRO	% (UD)	MEAN	47,4	51,5	42,5	1	0,8	1
			SD	3,58	7,82	3,54	ND	0,45	ND
			NUMBER	5	6	2	3	5	1
Neutrophils	NEUTRO	10 ⁹ /L	MEAN	5,64	4,72	5,65	8,57	12,08	10,9
			SD	1,17	1,05	0,78	1,64	2,49	ND
			NUMBER	5	6	2	3	5	1
Lymphocytes	LYMPHO	% (UD)	MEAN	5,76	4,37	6,85	ND	783	ND
			SD	1,26	1,60	1,63	ND	ND	ND
			NUMBER	5	6	2	0	1	0
Lymphocytes	LYMPHO	10 ⁹ /L	MEAN	48,6	45,5	51	67,33	56,4	57
			SD	4,34	6,89	1,41	4,51	10,50	ND
			NUMBER	5	6	2	3	5	1
Eosinophils	EOS	% (UD)	MEAN	2,8	1,98	5	0,33	0,2	ND
			SD	2,17	1,23	1,41	0,58	0,45	ND
			NUMBER	5	6	2	3	5	1
Eosinophils	EOS	10 ⁹ /L	MEAN	0,36	0,18	0,65	0,07	0,66	0,3
			SD	0,34	0,15	0,35	0,06	0,48	ND
			NUMBER	5	6	2	3	5	1
Basophils	BASO	% (UD)	MEAN	ND	0,17	0,5	2	3,2	2
			SD	ND	0,41	0,71	1	2,17	ND
			NUMBER	5	6	2	3	5	1

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Basophils	BASO	10 ⁹ /L	MEAN	ND	0,03	0,1	3,83	8,54	7,5
			SD	ND	0,05	ND	1,48	2,55	ND
			NUMBER	5	6	2	3	5	1
Monocytes	MONO	% (UD)	MEAN	1,2	0,83	1	29,33	39,6	39
			SD	0,44	0,41	ND	5,51	9,91	ND
			NUMBER	5	6	2	3	5	1
Monocytes	MONO	10 ⁹ /L	MEAN	0,14	0,1	0,15	0,1	0,18	0,3
			SD	0,09	0,06	0,07	ND	0,11	ND
			NUMBER	5	6	2	3	5	1
Platelet count	THROMB	10 ⁹ /L	MEAN	384,33	210,5	460	28,37	27,3	30
			SD	43,82	132,23	ND	2,42	2,00	ND
			NUMBER	3	2	1	3	5	1

Hematology parameters for piglets on different iron dosage regimen - Female

Data from 2016

The haematological values were determined using the instrumentation below:

Pentra DX120SPS, flowcytometry: WBC, RBC, HT, PLT, Lym%, LYM#, MON%, MON#, NEU%, NEU#, EOS%, EOS#, BAS%, BAS#, RET%, RET#

Pentra DX120SPS, colorimetric: HB

Pentra DX120SPS, calculated: MCV, MCH, MCHC

ACL 9000, turbidimetry: PT, FIB, APTT, TT