

Background data - Hematology parameters

Parameter	Abbrv.	Unit		2 days, Iron 24h PP Male	2 days, iron 48h PP Male	2 days, iron 9 days PP Male	1 week, iron 24h PP Male	1 week, iron 48h PP Male	1 week,iron 9 days PP Male
Hemoglobin	HB	mmol/L	MEAN	5,94	7,21	6,72	4,36	6,07	4,63
			SD	1,34	0,77	0,87	0,50	0,80	0,44
			NUMBER	8	4	7	3	5	3
Red blood cell count	RBC	10 ¹² /L	MEAN	4,71	5,59	5,32	3,40	4,6	3,97
			SD	1,04	0,62	0,66	0,43	0,67	0,33
			NUMBER	8	4	7	3	5	3
Hematocrit	HT	mmol/L	MEAN	0,28	0,34	0,32	0,23	0,30	0,23
			SD	0,06	0,03	0,04	0,03	0,04	0,02
			NUMBER	8	4	7	3	5	3
Reticulocyte count	RETIC	% (UD)	MEAN	7,20	5,92	6,79	ND	ND	ND
			SD	1,72	0,32	0,89	ND	ND	ND
			NUMBER	8	4	7	0	0	0
Reticulocyte count	RETIC	10 ¹² /L	MEAN	0,34	0,33	0,36	0,1	0,06	0,07
			SD	0,12	0,03	0,04	ND	0,05	0,06
			NUMBER	8	4	7	3	5	3
Mean cell volume	MCV	fL	MEAN	59,38	61,75	60,14	19	20,12	19,77
			SD	3,81	3,59	1,86	ND	0,29	0,15
			NUMBER	8	4	7	3	5	3
Mean cell hemoglobin	MCH	fmol	MEAN	1,26	1,29	1,26	68	65,8	59
			SD	0,08	0,07	0,06	5,57	2,39	2
			NUMBER	8	4	7	3	5	3
Mean cell hemoglobin concentration	MCHC	mmol/L	MEAN	21,29	20,93	20,94	1,29	1,32	1,17
			SD	0,55	0,30	0,40	0,11	0,05	0,06
			NUMBER	8	4	7	3	5	3

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White blood cell count	WBC	10 ⁹ /L	MEAN	11,96	10,58	12,63	29,03	16,9	21,1
			SD	3,08	3,36	2,75	3,46	5,11	10,79
			NUMBER	8	4	7	3	5	3
Neutrophils	NEUTRO	% (UD)	MEAN	52,38	51,5	50,57	1	1	1,33
			SD	12,65	3,11	10,18	ND	ND	0,58
			NUMBER	8	4	7	3	5	3
Neutrophils	NEUTRO	10 ⁹ /L	MEAN	6,36	5,5	6,34	21,5	9,24	13,67
			SD	2,63	1,99	1,63	4,61	2,80	6,38
			NUMBER	8	4	7	3	5	3
Lymphocytes	LYMPHO	% (UD)	MEAN	5,59	4,78	6,03	ND	ND	ND
			SD	2,02	1,23	2,09	ND	ND	ND
			NUMBER	8	4	7	0	0	0
Lymphocytes	LYMPHO	10 ⁹ /L	MEAN	44,63	45,5	47,29	73,67	55,2	65,67
			SD	13,69	3,32	9,83	4,09	8,29	4,62
			NUMBER	8	4	7	3	5	3
Eosinophils	EOS	% (UD)	MEAN	1,5	2,5	1,43	ND	0,4	ND
			SD	1,20	0,58	1,40	ND	0,55	ND
			NUMBER	8	4	7	3	5	3
Eosinophils	EOS	10 ⁹ /L	MEAN	0,2	0,23	0,19	0,33	0,58	0,4
			SD	0,2	0,13	0,15	0,06	0,64	0,44
			NUMBER	8	4	7	3	5	3
Basophils	BASO	% (UD)	MEAN	0,38	ND	0,14	1,33	3,6	1,67
			SD	0,52	ND	0,38	0,58	2,70	1,15
			NUMBER	8	4	7	3	5	3

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Basophils	BASO	10 ⁹ /L	MEAN	0,04	ND	0,01	6,97	6,9	6,7
			SD	0,05	ND	0,04	1,12	2,70	3,61
			NUMBER	8	4	7	3	5	3
Monocytes	MONO	% (UD)	MEAN	1,25	0,75	0,71	24,33	40,2	31,33
			SD	0,46	0,5	0,49	6,51	6,61	3,06
			NUMBER	8	4	7	3	5	3
Monocytes	MONO	10 ⁹ /L	MEAN	0,16	0,05	0,1	0,23	0,12	0,3
			SD	0,07	0,06	0,08	0,06	0,4	0,26
			NUMBER	8	4	7	3	5	3
Platelet count	THROMB	10 ⁹ /L	MEAN	355	188	558,5	32,1	25,56	29,47
			SD	100,41	ND	91,22	3,06	5,62	3,04
			NUMBER	3	1	2	3	5	3

Hematology parameters for piglets on different iron dosage regimen - Male

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