

Table S1. Foals complete blood cell counts, serum biochemistry, electrolyte concentrations, rapid determinations and arterial blood gas analysis at birth (group NE) or at admission (group exNE). Data are expressed as mean \pm standard deviation (min-max). For normal values refer to [34], [35], [36], [37], and [38].

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Haematology									
Haemoglobin g/dL	Haematocrit %	Erythrocytes 10 ⁶ /μL	Platelets 10 ³ /μL	Leucocytes 10 ³ /μL	Lymphocytes 10 ³ /μL	Monocytes cells/μL	Neutrophils 10 ³ /μL	Eosinophils cells/μL	Basophils cells/μL
group NE									
15.4 \pm 1.7 (12.3-19.8)	48.0 \pm 4.3 (40.2-58.4)	10.5 \pm 0.9 (8.9-12.9)	180.6 \pm 28.6 (137-242)	7.5 \pm 2.0 (4.6-12.3)	1.5 \pm 0.4 (0.8-2.2)	150.8 \pm 87.5 (30-280)	5.8 \pm 2.1 (2.5-10.7)	23.6 \pm 25.8 (10-80)	90.8 \pm 127.6 (10-380)
group exNE									
14.0 \pm 2.8 (7.5-18.9)	42.4 \pm 8.3 (22.4-55.3)	9.8 \pm 1.8 (5.0-12.6)	175.3 \pm 61.8 (61-276)	7.7 \pm 4.2 (0.6-13.9)	1.2 \pm 0.8 (0.1-3.2)	106.5 \pm 73.4 (10-260)	6.3 \pm 4.4 (0.5-12.8)	12.5 \pm 15.2 (0-60)	56.5 \pm 54.3 (0-190)
Normal haematology values in one day old foals [34]:									
12.0-16.6	32-46	8.2-11.0	129-409	4.9-11.7	0.7-2.1	70-390	3.4-9.6	0-20	0-30
Serum biochemistry									
Creatine kinase IU/L	Total bilirubin mg/dL	Triglycerides mg/dL	Total protein g/dL	Albumin g/dL	Albumin / Globulin	Blood urea nitrogen mg/dL	Creatinine mg/dL	Fibrinogen g/L	Serum amyloid A μg/dL
group NE									
300 \pm 260 (132-1136)	2.5 \pm 0.7 (1.3-3.6)	22 \pm 18 (7-60)	4.2 \pm 0.3 (3.4-4.5)	3.2 \pm 0.3 (2.6-3.4)	3.5 \pm 0.5 (2.7-4.2)	41 \pm 11 (29-62)	3.6 \pm 3.1 (1.1-13.1)	1.8 \pm 0.4 (1.4-2.6)	6 \pm 7 (1-24)
group exNE									
5511 \pm 11818 (92-51050)	4.0 \pm 1.2 (2.0-6.1)	76 \pm 82 (26-257)	4.5 \pm 0.4 (3.8-5.1)	3.0 \pm 0.3 (2.4-3.5)	2.3 \pm 1.0 (1.3-4.6)	46 \pm 15 (19-73)	4.0 \pm 3.3 (0.7-14.8)	2.2 \pm 0.5 (1.7-3.1)	101 \pm 170 (1-620)
Normal serum biochemistry values in one day old foals [35,36]:									
40-909	1.3-4.5	30-193	4.3-8.1	2.5-3.6		9-40	1.2-4.3	1-4	0-37

Electrolyte concentrations											
Phosphorus		Calcium		Sodium		Potassium		Chlorine		Magnesium	
mg/dL		mg/dL		mg/dL		mg/dL		mg/dL		mg/dL	
group NE											
8.7 ±3.8 (5.0-14.6)		13.6 ±2.2 (9.2-15.7)		143.8 ±2.6 (141-149)		5.2 ±0.9 (4.3-6.8)		98.6 ±4.2 (92.3-102.6)		2.1 ±0.2 (1.8-2.5)	
group exNE											
5.2 ±2.1 (4.0-9.8)		11.9 ±0.6 (11.0-12.8)		143.1 ±3.3 (139-147)		3.6 ±0.4 (3.1-4.0)		99.3 ± 5.6 (90.0-105.1)		2.4 ±0.6 (1.4-3.9)	
Normal electrolyte concentrations in one day old foals [35]:											
3.8-7.4		9.7-13.7		123-159		3.6-5.6		90-114		0.6-4.2	
Rapid determinations											
Jugular vein glucose				Umbilical vein lactate				Jugular vein lactate			
mg/dL				mmol/L				mmol/L			
group NE											
92 ±17 (75-109)				3.5 ±0.7 (3.0-4.0)				6.4 ±6.6 (2.7-22.5)			
group exNE											
96 ±64 (32-160)				/				9.1 ±7.0 (2.5-23.4)			
Normal determinations in foals at birth [35,37]:											
67-99				3.2-4.7				2.3-5.0			
Arterial blood gas analysis											
pH	Oxygen partial pressure	Carbon dioxide partial pressure	Oxygen saturation	Potassium	Sodium	Chlorine	Anion gap	Bicarbonate	Acid base excess		
	mmHg	mmHg	%	mmol/L	mmol/L	mmol/L	mmol/L	mmol/L	mmol/L	mmol/L	
group NE											
7.37 ±0.04 (7.32-7.41)	48.0 ±10.9 (34.2-59.9)	43.8 ±4.3 (39.4-47.7)	87.9 ±5.1 (82.7-93.9)	3.6 ±0.5 (3.3-4.4)	140.3 ±1.3 (139-142)	99.8 ±4.4 (95-104)	19.3 ±7.8 (9.8-28.7)	24.2 ±3.6 (20.2-28.2)	-0.2 ±4.2 (-5.0-4.4)		
group exNE											
7.36 ±0.04 (7.31-7.41)	66.3 ±17.5 (48.5-96.8)	43.7 ±6.9 (36.6-54.1)	92.9 ±3.5 (87.4-97.2)	2.9 ±0.1 (2.6-3.0)	141.4 ±4.3 (135-147)	102.4 ±4.3 (93-107)	17.9 ±3.7 (12.6-22.6)	23.5 ±1.6 (21.7-26.4)	-0.9 ±1.9 (-3.2-2.5)		
Normal arterial blood gas values in foals at birth [38]:											
7.36-7.44	64.2-68.8	46.0-49.4	97-100	3.6-5.6	123-159	90-114	9.5-31.7	24.1-25.9	-0.1-1.9		