

## Supplemental Table

	Seven-to-Ten-Day Old Term Lambs (n=4)		Preterm Lambs (n=7)	
	Start	End	Start	End
<b>Weight (kg)</b>	6.7 ± 2.0		3.0 ± 0.5	
<b>pH</b>	7.3 ± 0.1	7.4 ± 0.1	7.4 ± 0.1	7.4 ± 0.1
<b>pCO<sub>2</sub> (mmHg)</b>	38.6 ± 13.3	45.9 ± 10.9	44.5 ± 7.6	45.0 ± 9.5
<b>pO<sub>2</sub> (mmHg)</b>	181.8 ± 78.7	129.5 ± 50.0	126.0 ± 85.1	78.4 ± 52.4
<b>Hb (g/dl)</b>	7.9 ± 0.7	7.6 ± 1.2	11.3 ± 2.4	11.3 ± 2.6
<b>O<sub>2</sub> Sat (%)</b>	92.9 ± 6.6	97.8 ± 2.0	97.1 ± 2.5	95.9 ± 3.0
<b>Base excess (mmol.L<sup>-1</sup>)</b>	-4.9 ± 2.0	-0.6 ± 1.4	2.5 ± 1.8	1.3 ± 3.3
<b>MABP (mmHg)</b>	57.3 ± 1.8	54.8 ± 5.1	69.8 ± 2.6	61.4 ± 7.3*
<b>HR (bpm)</b>	173.5 ± 8.7	168.3 ± 18.6	139.4 ± 14.6	144.6 ± 28.3

**Supplementary Table 1.** Seven-to-ten-day old term (n=4) and preterm lambs' (n=7) arterial blood gases, haemoglobin (Hb) level, arterial oxygen saturation (O<sub>2</sub> Sat), mean arterial blood pressure (MABP) and heart rate (HR) at the beginning and end of the experiment (values are mean ± SD). \* indicates significant difference between the start and end of experiment (p<0.05).