

PEDIATRIC BLOOD GAS REFERENCE INTERVALS

<p>pH</p> <p>arterial 0 day up to 1 day 7.26 to 7.49 1 day up to 2 days 7.29 to 7.45 2 days up to 60 years 7.35 to 7.45</p> <p>venous 0 day up to unspecified 7.32 to 7.43</p>	<p>pCO₂</p> <p>arterial 0 day up to 4 days 27 to 40 mm Hg 4 days up to 24 months 27 to 41 mm Hg 24 months up to unspecified Male 35 to 48 mm Hg Female 32 to 45 mm Hg</p> <p>Venous 0 day up to 4 days 33 to 47 mm Hg 4 days up to 24 months 33 to 48 mm Hg 24 months up to unspecified Male 40 to 55 mm Hg Female 37 to 52 mm Hg</p>
<p>pO₂</p> <p>arterial 0 day up to 1 day >50 to 85 mm Hg 1 day up to 2 days 54 to 95 mm Hg 2 days up to 60 years 83 to 108 mm Hg</p> <p>Venous 0 day up to unspecified 25 to 40 mm Hg</p>	<p>Base Deficit/Excess*</p> <p>0 day up to 4 days (-10) to (-2) mmol/L 4 days up to 24 months (-7) to (-1) mmol/L 24 months up to 12 years (-4) to (+2) mmol/L 12 years up to unspecified (-2) to (+3) mmol/L</p>
<p>% Oxygen Saturation</p> <p>arterial 0 day up to 4 days 40 to 90 % 4 days up to unspecified 94 to 98 %</p> <p>Venous 0 day up to 4 days 40 to 85 % 4 days up to unspecified 65 to 80%</p>	<p>Bicarbonate, calculated</p> <p>0 day up to 14 days 17 to 24 mmol/L 14 days up to 2 months 19 to 24 mmol/L 2 months up to 2 years 16 to 24 mmol/L 2 years up to unspecified 22 to 26 mmol/L</p>
<p>Hematocrit (Hct)</p> <p>0 day up to 15 days 40 – 57% 15 days up to 31 days 30 – 45% 31 days up to 61 days 27 – 38% 61 days up to 6 months 29 – 37% 6 months up to 6 years 31 – 38% 6 years up to 12 years 32 – 40% 12 years up to 17 years 33 – 44% 17 years up to unspecified Male 40 – 51% Female 34 – 45%</p>	<p>Total Hemoglobin (tHgb)</p> <p>0 day up to 15 days 13.4 – 20.0 g/dL 15 days up to 31 days 10.0 – 15.3 g/dL 31 days up to 61 days 8.9 – 12.7 g/dL 61 days up to 180 days 9.6 – 12.4 g/dL 180 days up to 2 years 10.1 – 12.7 g/dL 2 years up to 6 years 10.2 – 12.7 g/dL 6 years up to 12 years 10.6 – 13.4 g/dL 12 years up to 17 years 10.8 – 14.5 g/dL 17 years up to unspecified Male 13.7 – 17.5 g/dL Female 11.2 – 15.7 g/dL</p>
<p>Glucose</p> <p>0 day up to 2 days 41-60 mg/dL 2 days up to 1year 50-80 mg/dL 1 year up to 17 years 60-99 mg/dL 17 years up to unspecified 74 to 99 mg/dL</p>	<p>Ionized Calcium(iCa⁺⁺)</p> <p>0 day up to 1day 4.3 to 5.1 mg/dL 1 day up to 7 days 4.0 to 4.7 mg/dL 7 days up to 90 years 4.6 to 5.1 mg/dL 90 years up to unspecified 4.5 to 5.3 mg/dL</p>
<p>Potassium(K⁺)</p> <p>0 day up to 1 year 3.7 to 6.1 mmol/L 1 year up to unspecified 3.6 to 4.9 mmol/L</p>	<p>Lactate</p> <p>Venous 0.5 - 2.2 mmol/L</p> <p>Arterial 0.5 - 1.6 mmol/L</p>
<p>Sodium (Na)</p> <p>0 day up to 8 days 133 to 146 mmol/L 8 days up to 17 years 133 to 144 mmol/L 17 years up to unspecified 136 to 145 mmol/L</p>	<p>Chloride (Cl⁻)</p> <p>0 day up to 8 days 96-111 mmol/L 8 days up to 7 months 96-110 mmol/L 7 months up to 1year 96-108 mmol/L 1 year up to unspecified 97-107 mmol/L</p>