

Normal Lab Values Cheatsheet

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Arterial Blood Gas

NAME	RANGE
Arterial Blood pH	
Adult/Child	7.35–7.45
Child	7.34–7.46
Newborn	7.32–7.49
pH (venous)	7.31–7.41
Critical values: <7.25 or >7.6	
Bicarbonate (HCO₃)	
Adult/Child	22–26 mEq/L
Newborn	16–24 mEq/L
Critical values: <10 or >40 mEq/L	
Partial pressure of carbon dioxide (PaCO₂)	
Adult	35–45 mmHg
Child	26–41 mmHg
PCO ₂ (venous)	40–50 mmHg
Critical values: <20 or >60 mmHg	
Alveolar Arterial O₂ Difference	
<10 mmHg	

NAME	RANGE
Oxygen Saturation (SaO₂)	
Adult	>95%
Newborn	40–90%
Critical value: <75%	
Partial pressure of oxygen (PaO₂)	
Adult/Child	80–100 mmHg
Newborn	60–70 mmHg
PaO ₂ (venous)	40–50 mmHg
Critical value: <40 mmHg	
Oxygen Content (O₂)	
Arterial	15–22 vol%
Venous	11–16 vol%
Base Excess	
0 ± 2 mEq/L	
Critical value: ±3 mEq/L	