

Ups & Downs of ABG's



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Arterial Blood Gases	Normal Values	Respiratory Acidosis-hypoventilation	Respiratory Alkalosis-hyperventilation	Metabolic Acidosis	Metabolic Alkalosis
Blood pH	7.38-7.42	Decreased <7.35	Increased >7.45	Decreased<7.35	Increased>7.45
PaO ₂	75-100 mmHg	Varies dependent on disease process and level of acuity			
PaCO ₂	38-42 mmHg	Increased>45	Decreased<35	Normal or Decreased<35	Normal or Increased>45
HCO ₃	22-26 mEq/L	Normal or High	Normal or High	Decreased	Increased
Normal Values are figured at Sea Level or below 3000 ft; and Oxygen Saturation (SaO ₂) 94%-100%					

REFERENCE*

- 1) <https://www.thoracic.org/professionals/clinical-resources/critical-care/clinical-education/abgs.php>
- 2) <https://patient.info/doctor/arterial-blood-gases-indications-and-interpretation#nav-4>
- 3) <https://medlineplus.gov/ency/article/003833.htm>
- 4) <https://emedicine.medscape.com/article/301374-overview>

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