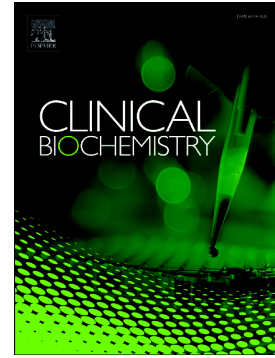


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Analytical and Pre-Analytical Performance Characteristics of a Novel Cartridge-type Blood Gas Analyzer for Point-of-Care and Laboratory Testing

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Abbreviations: CLIA: Clinical Laboratory Improvement Amendments; RCPA: Royal College of Pathologists of Australasia; eTE: estimated total error; ATE: allowable total error; CV: coefficient of variation; SD: standard deviation; SLS: sodium lauryl sulphate; partial carbon dioxide pressure ($p\text{CO}_2$); partial oxygen pressure ($p\text{O}_2$); sodium (Na^+); potassium (K^+); chloride (Cl^-); ionized calcium (Ca^{2+}); and total hemoglobin (tHb); ICU: Intensive Care Unit; POC: point-of-care; QC: Quality Control

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