

Applicable department

- Laboratory, ICU, Respiratory, Emergency, Anesthesiology, Operating Room, Pediatrics, Obstetrics, Neonatology, Cardiology department, Cardiac surgery department, Neurology department, Neurosurgery, Nephrology, Geriatrics, fever clinic, etc

Applicable Conditions

Clinical diagnosis

- Objective assessment criteria for oxygenation, ventilation and acid-base balance
- Severity classification of asthma in acute attack
- Severity classification of COPD during acute exacerbation
- Diagnostic criteria for neonatal asphyxia
- Diagnosis and classification of respiratory failure and hypoxemia

Intensive care

- Condition and prognosis of severe trauma, organ failure, etc.
- Indications for ICU transfer in/out
- Routine monitoring of critical patients before and after rescue
- APS score for critical patients

Treatment monitoring

- Indications before and after using the ventilator and the basis for adjusting the ventilator
- Analysis and treatment monitoring of acid-base disorder
- hemodialysis efficacy, treatment efficacy of renal failure patients
- Perioperative management and anesthesia safety monitoring
- Dynamic observation of asthma and ARDS, before and after oxygen therapy

CORNLEY

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CORNLEY



Vitagás 5 series Blood Gas Analyzer

pH pCO₂ pO₂ K⁺ Na⁺ Cl⁻ Ca²⁺ Hct Lac Glu

Sample type

Whole Blood, Arterial Blood, Venous Blood, Serum, Plasma, CSF

Models

Vitagas 5 : pH, pO₂, pCO₂, Hct, K⁺, Na⁺, Cl⁻, Ca²⁺

Vitagas 5A: pH, pO₂, pCO₂, Hct

Vitagas 5B: pH, pO₂, pCO₂, Hct, Glu, Lac

Vitagas 5E: pH, pO₂, pCO₂, Hct, K⁺, Na⁺, Cl⁻, Ca²⁺, Glu, Lac

Calculation Parameters

pH(TC)、pCO₂(TC)、pO₂(TC)、TCO₂、HCO₃⁻、BE、BEecf、SBC、sO₂%、nCa²⁺(7.4)、TCa²⁺、AG、RI、pO₂(A-a)、P₅₀、THb、BBP、BBb、pO₂/FiO₂、pO₂(TC)/FiO₂、cH⁺(TC)、mOsm、pO₂(A)、pO₂(A,TC)、pO₂(A-a,T)、pO₂(a/A,T)、pO₂(a/A)、RI(T)、AG(k⁺)、ctO₂、ctCO₂(p)、ctCO₂(B)

Arteriovenous combination calculation parameters

ScvO₂、pCO₂(gap)、CaO₂、CvO₂、CaCO₂、CvCO₂、SaO₂、SvO₂、VO₂、VCO₂

Features

- Multi-specification reagent packs (50 tests/pack–1200 tests/pack): stored at room temperature for 9 months, valid for up to 45 days on-board.
- Integrated flush solution pack to avoid biological pollution and without waste till used up.
- Automatic sample aspiration and sample needle cleaning, support capillary, arterial blood syringe, test tube, etc.
- Sample analysis speed ~60s (with Lac/Glu <90s), blood volume for the whole parameters <170ul.
- Built-in multi-level quality control rules, quality control charts, quality control data, printable and exportable.
- Support bi-direction LIS, built-in WiFi, 4G, and remote maintenance system.
- Built-in 2D barcode scanner and thermal printer, support external USB printer.
- Built-in UPS, optional trolley and external large-capacity UPS.

large

12.1 inches color LCD touch screen, large data storage space

new

Disposable dry lactate–glucose electrode with innovative technology, upto 30 days

more

More than 32 calculated parameters

easy

Video instruction and online help

