



VITAGAS Series

Blood-gas electrolyte analyzer



LABORATORY



PRODUCT DETAILS

- 12.1 Inches Touch Screen
- Disposable Dry Lactate-glucose Electrode
- ≥ 32 Parameters
- Video Instruction & Online Help

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, BBp, pO₂/FiO₂, pO₂(TC)/FiO₂, cH⁺ (TC) mOsm, 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

PRODUCT FEATURES



- Built-in 2D barcode scanner and thermal printer, support external USB printer
- Built-in UPS, optional trolley and external large-capacity UPS
- 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 < 170 μ l
- 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



PARAMETERS

MODEL	VITAGAS 5	VITAGAS 5A	VITAGAS 5E
Test items	K+, Na+, Cl, Ca ²⁺ , pH, pO ₂ , pCO ₂ , Hct	pH, pO ₂ , pCO ₂ , Hct	K+, Na+, Cl, Ca ²⁺ , pH, pO ₂ , pCO ₂ , Hct, Glu, Lac
Sample type	Plasma, Serum, CSF, Whole blood, Arterial blood, Venous blood		
Reaction time	60 s (with Lac / Glu < 90 s)		
Specimen volume	Blood volume for the whole parameters <170 ul		
Data output	12.1 inch LCD touch screen display		
Support system	Support bi-direction LIS, Built-in Wifi, 4 G, and remote maintenance system		
UPS	Build-in UPS		
Interface	RS 232		
Power	AC 220 V ± 22 V, 50 Hz ± 1 Hz, 120 VA		
Working environment	Temperature 5-40 °C, Humidity ≤ 85%		
Package	Machine with standard accessories (87*54*59 cm, wooden carton) 1 set reagent pack (44*35*38 cm, paper box)		
Weight	65 kg (machine + reagent)		

PRODUCT	Reagent Pack	Compatible Analyzers	Contents of Reagent Pack	Specification
Reagent pack for Blood-gas electrolyte analyzer Vitagas 5 series	V5 Cal Pack	Vitagas 5 & Vitagas 5A	Cal A Solution + Cal B Solution	50 tests/pack 100 tests/pack 150 tests/pack 200 tests/pack 300 tests/pack 400 tests/pack 500 tests/pack 600 tests/pack 800 tests/pack 1000 tests/pack 1200 tests/pack 1500 tests/pack
	V5E Cal Pack	Vitagas 5E		
	FLU Flush Pack	Vitagas 5 & Vitagas 5A	M Cleaning Solution 650g + C Cleaning Solution 30g	Standard Configuration
	FLU-E Flush Pack	Vitagas 5E	CAL E 200g + GL Cleaning Solution 600g + M Cleaning Solution 350g + C Cleaning	Standard Configuration