

VABIO 580

Auto Hematology Analyzer

BIOTA GROUP

Technical Specifications

Principles	: Semiconductor laser scatter, Flow Cytometry (WBC Diff) Impedance method for WBC, RBC, PLT counting Cyanide-free reagent for Hemoglobin test
Parameters	: WBC, Lym%, Lym#, Mon%, Mon#, Neu%, Neu#, Eos%, Eos#, Bas%, Bas#, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, PDW, MPV, PCT, P-LCC and, P-LCR and 4 research parameters LIC%, LIC#, ALY%, ALY# 1 3D and 3 2D 3 scatter grams and 3 histograms
Throughput	: Up to 80 samples per hour with autoloader
Sample Volume	: ≤ 20ul
Test Mode	: CBC CBC+DIFF
Counting modes	: Whole Blood, pre-diluted blood, peripheral blood
Performance	: Carryover Reproducibility (CV%) Linearity WBC ≤0.5% ≤ 2.0% (4-15×10 ⁹ /L) 0.00-300×10 ⁹ /L RBC ≤0.5% ≤ 1.5% (3.5-6.0×10 ¹² /L) 0.00-8.5×10 ¹² /L HGB ≤0.5% ≤ 1.5% (110-180g/L) 0-250g/L PLT ≤1.0% ≤ 4.0% (150-500×10 ⁹ /L) 0.00-3000×10 ⁹ /L
Data Storage Capacity	: Up to 100,000 results including numeric and graphical information
Communication	: LAN port supports HL7 protocol
Operating Environment	: Temperature: 15oC-30oC Humidity: 30-85% Air Pressure: 70-106 kPa
Power Requirement	: A.C. 100-240V ≤300VA 50/60Hz
Dimension and Weight	: 620mm(L) × 620mm(W) × 535mm(H)
Weight	: 56 kg

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CE TRB ISO13485:2003
ISO9001:2008
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VABIØ580

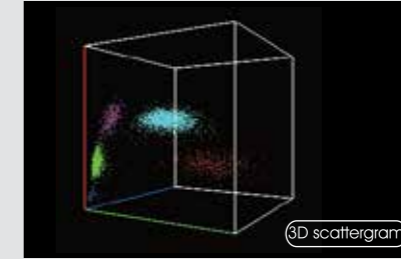
Auto Hematology Analyzer

RELIABILITY | PRODUCTIVITY | SATISFACTION

VABIØ580 Auto Hematology Analyzer is a bench top system, offering reliable and accurate 5 part differential testing and significantly improves sample handling by eliminating manual sample loading which is a feature that saves time, lowers operational costs and increases laboratory workflow efficiency.

It uses only 20 ul of blood to have a 29 parameters result. It is possible to load up to 60 samples simultaneously and it supports continuous sample loading. Customization on reference range and report formats, patient historical check, workload statistics and LIS connection are just some of the advanced features of the analyzer which provides laboratory confort and productivity.

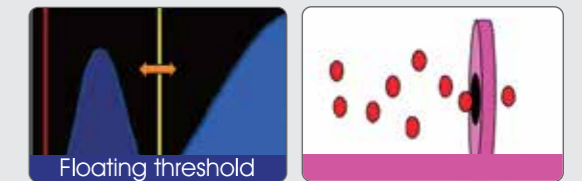
- Laser scatter + Chemical dye + Flow cytometry
- 5-part differentiation, 29 parameters
- Low sample volume as 20 ul
- Up to 80 samples per hour with autoloader
- Loading up to 60 samples simultaneously
- Support continuous sample loading
- Peripheral blood, venous blood and pre-diluted blood counting
- Close and open vial modes
- STAT function
- Powerful capability to flag abnormal cells and up to 20 user-defined alarm ranges
- Working status self-test and reagent volume self-detection
- Automated test re-running, with defined rules
- Error removal and sleep/wakeup functions
- Large storage capacity: up to 100,000 samples
- Recommended or customizable decision rules for re-exam abnormal samples
- QC and calibration management
- Support uni- or bi-directional LIS



RELIABLE PERFORMANCE
3D Scattergram for accurate differential results



ADVANCED DATA MANAGEMENT
Customized reports, bidirectional LIS, QC and Calibration management



SMART TECHNOLOGY
Smart WBC/RBC/PLT floating Threshold Technology

