

BIOTA^{GROUP}

VABIÖ560
Auto Hematology Analyzer



VABIØ560

Auto Hematology Analyzer

RELIABILITY | PRODUCTIVITY | SATISFACTION

VABIØ560 Auto Hematology Analyzer is a bench top system, offering 5-part differential testing for the complete results. It provides reliable and accurate 5 part differentiation on white blood cells by combining three main technologies as laser scatter, flow cytometer and chemical dye.

VABIØ560 is remarkably cost effective with its compact, economical and user friendly design.

It uses only 20 ul of blood to have a 29 parameter result within 1 minute. 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
- Up to 60 samples per hour
- 20 ul blood sampling for CBC+DIFF test
- Independent channel and optical method for Basophil measurement
- Supports both whole blood and capillary blood samples
- Powerful capability to flag abnormal cells
- Large storage capacity: up to 100,000 samples
- Recommended or customizable decision rules for re-exam abnormal samples
- Support uni- or bi-directional LIS



VABIO 560

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Technical Specifications

Principles	: Impedance method for WBC, RBC, PLT counting Cyanide-free reagent for Hemoglobin test Flow Cytometry (FCM), Semi-conductor Laser scatter, chemical dye method, independent Basophil channel																				
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, and 4 research parameters P-LCC, P-LCR, LIC%, LIC#, ALY%, ALY# 1 3D and 3 2D 3 scatter grams and 3 histograms																				
Throughput	: Up to 60 samples per hour																				
Sample Volume	: Whole Blood: 20ul Prediluted: 20ul																				
Test Mode	: CBC CBC+DIFF																				
Performance	: <table><thead><tr><th></th><th>Carryover</th><th>Repeatability</th><th>Linearity</th></tr></thead><tbody><tr><td>WBC</td><td>≤ 0.5%</td><td>≤ 2.0% (4-15×10⁹/L)</td><td>0.00-300×10⁹/</td></tr><tr><td>RBC</td><td>≤ 0.5%</td><td>≤ 1.5% (3.5-6.0×10¹²/L)</td><td>0.00-8.5×10¹²/L</td></tr><tr><td>HGB</td><td>≤ 0.6%</td><td>≤ 1.5% (110-180g/L)</td><td>0-250g/L</td></tr><tr><td>PLT</td><td>≤ 1.0%</td><td>≤ 4.0% (150-500×10⁹/L)</td><td>0.00-3000×10⁹/L</td></tr></tbody></table>		Carryover	Repeatability	Linearity	WBC	≤ 0.5%	≤ 2.0% (4-15×10 ⁹ /L)	0.00-300×10 ⁹ /	RBC	≤ 0.5%	≤ 1.5% (3.5-6.0×10 ¹² /L)	0.00-8.5×10 ¹² /L	HGB	≤ 0.6%	≤ 1.5% (110-180g/L)	0-250g/L	PLT	≤ 1.0%	≤ 4.0% (150-500×10 ⁹ /L)	0.00-3000×10 ⁹ /L
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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: 0-106 kPa																				
Power Requirement	: A.C. 100-240V ≤300VA 50/60Hz																				
Dimension	: 380mm(L) × 450mm(W) × 535mm(H)																				
Weight	: 45 kg																				