

ES-HEM-3000

FULL AUTOMATIC 27 PARAMETERS HEMATOLOGY ANALYZER



- 5-part differentiation, 27 parameters, 1 scattergram and 3 histograms
- Semi-conductor Laser scatter combined with chemical dye method, advanced flow cytometry
- Compact, powerful and affordable
- Only 20ul sampling volume
- Up to 60 samples per hour
- 2 counting modes: whole blood and prediluted
- Capability to flag abnormal samples
- Large storage capacity: up to 40,000 samples

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%, Mon%, Neu%, Eos%, Bas%, Lym#, Mon#, Neu#, Eos#, Bas#, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, LIC%, LIC#, ALY%, ALY# 3 histograms and 1 scatter gram

Throughput

Up to 60 samples per hour

Sample Volume

Whole Blood: 20ul

Prediluted: 20ul

Test Mode

CBC CBC+DIFF

Performance	Carryover	Precision	Linearity
WBC	≤0.5%	≤2.0% (4-15×10 ⁹ /L)	0.00-99.99×10 ⁹ /L
RBC	≤0.5%	≤ 1.5% (3.5-6.0×10 ¹² /L)	0.00-8.00×10 ¹² /L
HGB	≤0.6%	≤1.5% (110-180g/L)	0-250g/L
PLT	≤1.0%	≤4.0% (150-500×10 ⁹ /L)	0-1000×10 ⁹ /L

Data Storage Capacity

Up to 40,000 results including numeric and graphical information

Communication LAN

port supports HL7 protocol

Operating Environment

Temperature:15°C-30°C

Humidity: 30-85%

Air Pressure: 70-106 kPa

Power Requirement

A.C. 100-240V ≤300VA 50/60Hz

Dimension and Weight

410mm(L) × 470mm(W) × 530mm(H)

Weight: <45kg



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