



SALIENT FEATURES

Total 49 parameters, 25 reportable (including Retic) & 24 research parameters

Research parameters including NRBC & InR

Option to run samples with and without autoloader

Separate test modes for only CBC, CBC + 5 PDA, Retic & Body Fluids

Micro sample requirement of just 20 μ L

Use of only 4 routine reagents with longer shelf life after opening

Single vial for Retic analysis makes it ideal even for low workload of Retic samples

Use of sheath liquid for 5 PDA & cyanide free reagent for HGB makes it environment friendly

4 angle laser scattering technology that offers accuracy & precision together with economy

BONAVERA EXPRESS 5R

5 Part Differential Hematology Analyzer with Autoloader

Technical Specifications

Principles	WBC 5-part flow cytometry (FCM)+4 angles laser light scatter WBC analysis: optical and impedance measurements RBC/PLT analysis: impedance method HGB test: cyanide-free reagent colorimetry RETIC test: flow cytometry (FCM) + laser light scatter + chemical dye method
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, P_LCR, PLCC, RETIC%, RETIC ABS, IRF 7 body-fluid parameters: WBC-BF, RBC-BF, MN%, MN#, PMN%, PMN#, TC-BF# 14 research parameters: ALY%, ALY#, LIC%, LIC#, NRBC%, NRBC#, BLAST%, BLAST#, InR%, InR#, Eos-BF%, Eos-BF#, Neu-BF%, Neu-BF# Blood routine provide: 3 histograms for WBC, RBC and PLT 2 scatter grams: 5-part differential scatter gram, eosinophils and neutrophils scatter gram Two 3D stereograms RETIC provides: 2 histograms, 2 scatter grams, two 3D stereograms Body fluid provides: 2 histograms, 2 scatter grams, two 3D stereograms
Reagent	Diluent, Detergent, Lyse, Sheath, Probe Cleaner, Retic Tube
Sample Modes	Auto loader 20µL, manual mode 20µl, pre-diluted mode 20µl, body-fluid mode 70µl
Throughput	CBC mode: 90T/H, CBC+5DIFF mode: 80T/H, Body-fluid mode: 30T/H
Aperture Diameter	WBC 100µm, RBC/PLT 68µm
Sampling Device	Auto loader with 50 (10 x 5 racks) sample storage capacity Built-in bar code reader (Optional)
Data Storage	Up to 500,000 sample results with all data & graphics
Alarms	Error messages
Display	PC display with windows system, 17-inch color TFT display
LIS	Support, with HL7 protocol
Power Requirement	AC 100-240V, 50/60Hz, 300VA
Dimensions	3 KVA with isolated transformer 592(L) x 712(W) x 595(H) mm ; about 76.5Kg



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