



SALIENT FEATURES

Hematology Analyzer with Facilities to Perform CBC + 5 PDA, CBC + 5 PDA + Retic Testing, 7 BF Parameters

35 Reportable Parameter with 14 RUO Parameter

Option to run single sample or use of Autoloader

Higher Linear Measurement Range

Use of only 4 routine reagents and 1 separate Dye tube if want to perform Retic analysis, making it an ideal system to operate even low sample workload for Retic Testing

Throughput of 90 sample in CBC Mode & 80 Sample in CBC + 5 PDA Mode

4 Angle Laser Scattering technology that offers accuracy & precision together with economy

Longer shelf life of Reagent after opening

Use of Sheath Liquid for 5 PDA analysis making it an environment friendly system

Large Storage capacity of 5,00,000 Results with Data & Graphics

Micro sample requirement of just 20 μ l

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



Factory & Registered Office:
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