



BEACON GROUP

BEACONIC

5R Autoloader

5 Part Differential Hematology Analyzer with Autoloader



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 µl



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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