

BH-5100

5-Part-Diff Hematology Analyzer

34 parameters

, 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, P_LCC, RETIC%, RETIC_ABS, IRF
6 research parameters: ALY#, ALY%, LIC#, LIC%, NRBC#, NRBC%
3 histograms for RBC, WBC and PLT
2 scatter grams: 5-part differential scatter gram
Eosinophils and Neutrophils scatter gram

Principles of operation

WBC/DIFF: flow cytometry, semi-conductor laser light multi-dimensional cell classification
WBC analysis: optical and impedance measurements
RBC/PLT analysis: impedance method
HGB test: cyanide-free reagent colorimetry

Reagent

Diluent, detergent, lyse, sheath

Sampling modes & aspiration volume

Whole blood: 20µL, pre-diluent: 20µL

Aperture diameter

WBC 100µm, RBC/PLT 68µm

Throughput

Whole blood: up to 60 T/H, pre-diluent: up to 60 T/H

Data Storage

Up to 200,000 sample results with grams

Alarms

Error messages & pathological flagging

Display

10.4-inch color touch screen

Input/output

Built-in thermal printer. Support serial port, LAN port, USB port

Power

AC 100–240V, 50/60Hz, 250VA

Dimension & weight

530mm (L) x 270mm (W) x 412mm (H), about 26.5kg

Marketed By :

VR HealthTech

Plot No. 2, First Floor, N.K. Sharma Office Road
Lohgarh, Zirakpur-140603,
Distt. Mohali, Punjab

E-mail : vrhealthtech@gmail.com

Mobile : +91-9466104609 | www.vrhealthtec.com

Manufactured By :
URIT Medical Electronic Co., Ltd.

VYOMAXTM

Empowering Diagnostics, Enabling Care



BH-5100

5-Part-Diff Hematology Analyzer

34 Parameters including RETIC_ABS, RETIC%, IRF

Flow Cytometry (FCM) + Multi Angle Scatter Separation (MASS)

Hourly throughput up to 60 samples

Resistant RBC mode

- Reticulocyte test: RETIC_ABS, RETIC%, IRF
- 34 parameters, 3 histograms, 2 scatter grams
- Throughput up to 60 samples
- Compact design of 5-part
- The combination of WIC and WOC for WBC counting
- Impedance method for RBC and PLT counting
- Cyanide free reagent for hemoglobin counting
- On board storage capacity of 200,000 samples with histograms
- Support variety of external color printers
- LIS and HIS available with HL7 protocol



Laser Scatter

- Multi-angle scatter separation (MASS)
- Original cell morphology signal



Sheath Flow Regulation

- Chemical dye free technology
- Only sheath reagent for WBC 5-Diff



Diluting Unit

- Separation system for motors and syringes
- Ceramic syringes
- High precision motors



2D Grams

- Three 2D histograms: RBC, WBC and PLT
- Two 2D scattergrams: 5-part differential Eosinophil and Neutrophil



Data Management

- On board storage capacity of 200,000 sample results
- Professional data statistics query system



Operation Interface

- Simple touch operation with user friendly illustrated icons



Quality Control Solution

- Urit original QC reagent with multi-method as L-J, X, X-R, X-B, etc.