

BH-5390

5-Part-Diff Hematology Analyzer

49 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, P_LCC, 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 provide: 2 histograms, 2 scatter grams, two 3D stereograms
Body fluid provide: 2 histograms, 2 scatter grams, two 3D stereograms

Principles of operation

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

Reagent

Diluent, detergent, lyse, sheath

Sampling modes

Auto loader 20µL, manual mode 20µL, pre-diluted mode 20µL, body-fluid mode 70µL

Aperture diameter

WBC 100µm, RBC/PLT 68µm

Throughput

CBC mode: 90T/H, CBC+5DIFF mode: 80T/H, Body-fluid mode: 30T/H

Sampling device

Auto loader with 50 (10 × 5 racks) sample storage capacity
Built-in bar code reader

Data storage

Up to 500,000 sample results with all grams

Alarms

Error messages

Display

PC display with windows system, 17-inch color TFT display

LIS

Support, with HL7 protocol

Power

AC 100–240V, 50/60Hz, 300VA

Dimension & Weight

592mm (L) × 712mm (W) × 595mm (H), about 76.5kg

Marketed By :

VR HealthTech

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Manufactured By :

URIT Medical Electronic Co., Ltd.

VYOMAXTM

Empowering Diagnostics, Enabling Care



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5-Part-Diff Hematology Analyzer

49 Parameters including Body-fluid and RETIC parameters

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

Hourly throughput up to 90 samples

Resistant RBC mode

- Body-fluid Test: WBC-BF, RBC-BF, MN%, MN#, PMN%, PMN#, TC-BF#
- Leukemia screening from BLAST% & BLAST# (research parameters)
- Reticulocyte Test: RETIC_ABC, RETIC%, IRF
- 49 Parameters, 7 histograms, 6 scatter grams, and six 3D stereograms
- The combination of WIC and WOC for WBC counting
- Impedance method for RBC and PLT counting
- On board storage capacity of 500,000 samples with all grams
- Built-in barcode reader
- LIS and HIS available with HL7 protocol



Laser Scatter

- Multi-angle scatter separation (MASS)
- Original cell morphology signal
- Stable and long-lasting



Sheath Flow Regulation

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



Sample Aspiration Device

- Flexible sample aspiration blood collection tubes including: standard tube, capillary tube, disposable plastic tube and micro tube



Electronic and Mechanical Components

- Individual quality control management
- Military level
- 20 years field-proven



2D+3D Grams

- Blood routine provide: 3 histograms for WBC, RBC and PLT
2 scatter grams
Two 3D stereograms
- RETIC provide: 2 histograms, 2 scatter grams, two 3D stereograms
- Body fluid provide: 2 histograms, 2 scatter grams, two 3D stereograms



Data Management

- On board storage capacity of 500,000 samples
- Professional data statistics query system



Operation Interface

- Simple operation with user friendly illustrated icons
- Handy tool tips
- Unique URIT operation interface like all URIT hematology series



Quality Control Solution

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