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#
2 histograms for RBC and PLT
2 scatter grams: 5–part differential scatter gram
Eosinophils and Neutrophils scatter gram
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 20 μ L, manual mode 20 μ L, pre–diluted mode 20 μ L, body–fluid mode 70 μ L

Aperture diameter

WBC 100 μ m, RBC/PLT 68 μ m

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 600,000 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

592 mm (L) × 712 mm (W) × 595 mm (H), about 73 kg

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URIT *Since 1984*
Global Diagnostics Supplier

PLUVIA diagnostics

BH–5390

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
Multi-language software available (Tailor-Made)

Guilin, China

- 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, 2 histograms, 2 scatter grams, and two 3D stereograms
- The combination of WIC and WOC for WBC counting
- Impedance method for RBC and PLT counting
- On board storage capacity of 600,000 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

- Two 2D histograms: RBC and PLT
- Two 2D scattergrams: 5–part differential Eosinophil and Neutrophil
- Two 3D multi–angle vision grams

Data Management

- On board storage capacity of 600,000 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.
- Third party QC solution available