



- 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 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

- 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 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.
- Third party QC solution available

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 \times 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, 250VA

Dimension & Weight

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