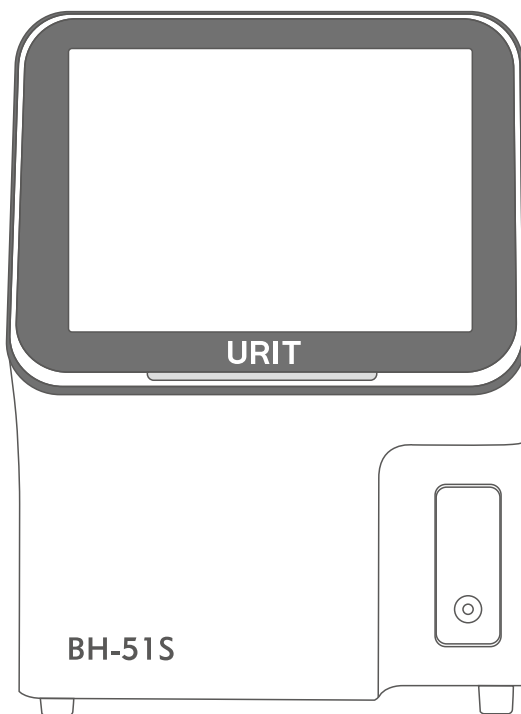




BH-51S

5-Part-Diff Hematology Analyzer

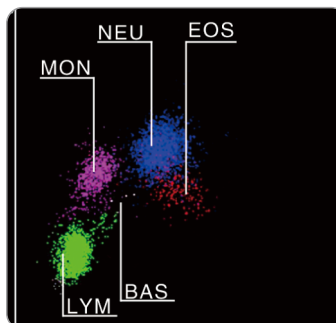
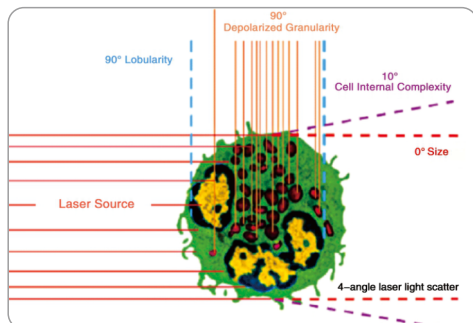
- ◆ Up to 70 T/H
- ◆ 34 Parameters including RETIC Parameters
- ◆ 3-reagent System with Built-in Lyse
- ◆ Smaller yet Powerful
- ◆ Close Tube Aspiration Optional

Multi Angle Scatter Separation (MASS) for 5DIFF

URIT

MASS without strong chemical reagents, maintains the original state of the cells and assures accuracy.

The 5-part differentiation of WBC is realized in one channel, and the classification results are generally consistent with manual microscopy.



Closed Tube Aspiration

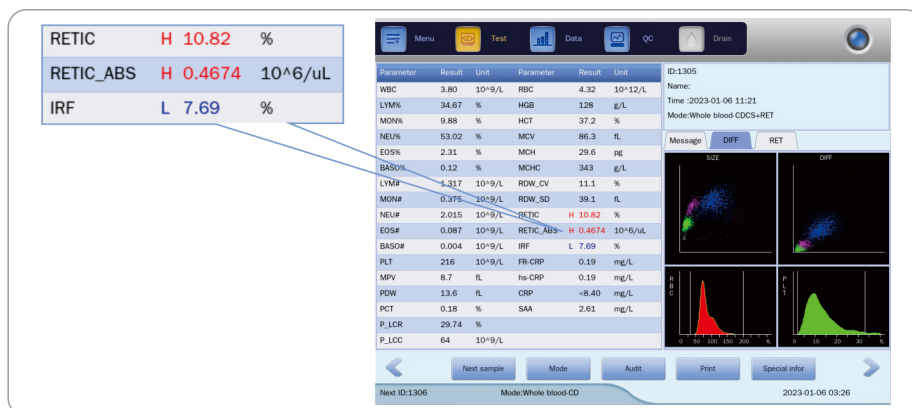
Effectively avoid biological contamination and free hand.
Compatible with multiple types of sample tubes.



Practical Reticulocyte Detection

URIT

Provide 3 RETIC parameters: reticulocyte absolute value (RETIC_ABS), reticulocyte count percentage (RETIC%) and immature reticulocyte ratio (IRF), which plays an important role in differential diagnosis of anemia and monitoring the bone marrow response to therapy.





- Smaller**
Save laboratory space
- Flexible**
Close tube aspiration optional
Convenient sample loader
- Efficiency**
Up to 70 T/H
RETIC analysis available
Only 15ul sample consumption
Wider WBC/RBC linearity
- Smart**
Smart RFID card for reagent locking
Working status indicator light
Diverse alarm information

34 Parameters

WBC, Lym#, Mon#, Neu#, Bas#, Eos#, Lym%, Mon%, Neu%, Bas%, Eos%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, P-LCR, P-LCC, RETIC_ABS, RETIC_%, IRF
6 research parameters: ALY#, ALY%, LIC#, LIC%, NRBC#, NRBC%
Blood routine images: 3 histograms, 2 scatter grams
RET images: 2 histograms, 2 scatter grams

Principle

WBC 5-part: Flow Cytometry (FCM) + Multi Angles Laser Light Scatter
WBC: Optical and Impedance
RBC/PLT: Impedance
HGB: Cyanide-free Reagent Colorimetry
RETIC: Flow Cytometry (FCM) + Laser Light Scatter + Chemical Dye Method

Throughput

Up to 70 T/H

Reagents

Diluent, lyse, sheath

Sampling Mode & Aspiration Volume

Whole blood: CBC mode $\leq 8 \mu\text{L}$, CBC+5DIFF/CBC+5DIFF+RRBC mode: $15 \pm 1 \mu\text{L}$
Pre-diluted: $20 \mu\text{L}$

Aperture Diameter

WBC $100 \mu\text{m}$, RBC/PLT $68 \mu\text{m}$

Data Storage

Up to 1,000,000 sample results with grams

Display

Integrated 10.4-inch touch screen

Print

Built-in thermal printer or external USB printer

LIS

Support, with HL7 protocol

Power

AC 100–240V, 50/60Hz, 250VA–300VA

Dimension & Weight

410mm(W) $\times$ 310mm(D) $\times$ 400mm(H), 40kg