

## 34 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

6 research parameters: ALY#, ALY%, LIC#, LIC%, NRBC#, NRBC%

2 histograms for RBC and PLT

2 scatter grams: 5-part differential scatter gram

Eosinophils and Neutrophils scatter gram

Two 3-D 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  $\mu$ L, manual mode 20  $\mu$ L, pre-diluted mode 20  $\mu$ L

## Aperture diameter

WBC 100  $\mu$ m, RBC/PLT 68  $\mu$ m

## Throughput

Auto & manual mode: up to 60 samples per hour, support STAT

## Sampling device

Auto loader with 50 (10  $\times$  5 racks) sample storage capacity

Built-in bar code reader

## Data storage

Up to 200,000 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

580 mm (L)  $\times$  750 mm (W)  $\times$  550 mm (H), about 73 kg

**URIT** Since 1984  
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# URIT-5380

## 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

Multi-language software available (Tailor-Made)



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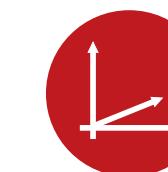


Guilin, China



### Laser Scatter

- Reticulocyte test: RETIC\_ABS, RETIC%, IRF
- 34 parameters, 2 histograms, 2 scatter grams and two 3D stereograms
- Hourly throughput up to 60 samples
- Auto loader with 50 sample storage capacity
- 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 all grams
- Built-in bar code reader
- LIS and HIS available with HL7 protocol



### 2D+3D Grams

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



### Sheath Flow Regulation

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



### Data Management

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



### Sample Aspiration Device

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



### Operation Interface

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



### Electronic and Mechanical Components

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



### Quality Control Solution

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

