

### 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\_LOC, 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

### Principles of operation

WBC/DIFF: flow cytometry, semi-conductor laser light multi-dimensional cell classification  
WBC analysis: optical and impedance measurements  
RBC/PLT analysis: impedance method  
HGB test: cyanide-free reagent colorimetry

### Reagent

Diluent, detergent, lyse, sheath

### Sampling modes & aspiration volume

Whole blood: 20 µL, pre-diluent: 20 µL

### Aperture diameter

WBC 100 µm, RBC/PLT 68 µm

### Throughput

Whole blood: up to 60 samples per hour, pre-diluent: up to 60 samples per hour

### Data storage

Up to 200,000 sample results with grams

### Alarms

Error messages & pathological flagging

### Display

10.4-inch color touch screen

### Power

AC 100-240V, 50/60Hz, 250VA

### Dimension

490 mm (L) × 459 mm (W) × 332mm (H)

### Weight

About 35 kg



# URIT-5160

## 5-Part-Diff Hematology Analyzer

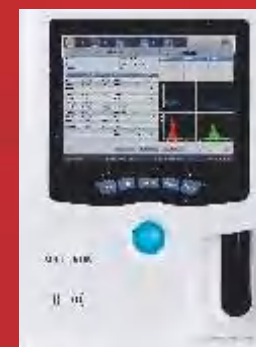
34 Parameters including RETIC\_ABS, RETIC%, IRF

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

Hourly throughput up to 60 samples

Resistant RBC mode

Multi-language software available (Tailor-Made)





- Reticulocyte test: RETIC\_ABS, RETIC%, IRF
- 34 parameters, 2 histograms, 2 scatter grams
- Hourly throughput up to 60 samples
- Minimized design of 5-part
- 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
- Support variety of external color printers
- 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



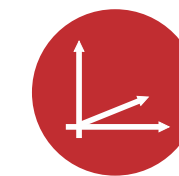
### Diluting Unit

- Separation system for motors and syringes
- Ceramic syringes
- High precision motors



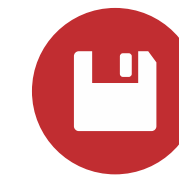
### Electronic and Mechanical Components

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



### 2D Grams

- Two 2D histograms: RBC and PLT
- Two 2D scattergrams: 5-part differential Eosinophil and Neutrophil



### Data Management

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



### Operation Interface

- Simple touch 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