### 25 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,

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

### Throughput

Whole blood: up to 60T/H, pre-diluent: up to 60T/H

### Data storage

Up to 200,000 sample results with grams

#### Alarms

Error messages & pathological flaging

## 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

The product specifications are subject to change without prior notice owing to product modification, information/upgradation







25 Reportable Parameters + 6 RUO Parameters

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

Throughput up to 60 samples/hr

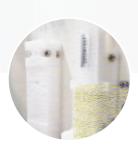
Resistant RBC mode

Multi-language Software available





- 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











# Sheath Flow Regulation

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



# **Laser Scatter**

- Multi–angle scatter separation (MASS)
- Original cell morphology signal
- Stable and long–lasting



# **Diluting Unit**

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



# **Electronic & Mechanical Components**

■ Individual quality control management



# Operation Interface

- Simple touch operation with user friendly illustrated icons
- Handy tool tips



# QC Support

■ QC Support and L–J, X, X–R, X–B, etc. available



# 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