

TRIGENE 5DL COUNT



5-Part-Fully Automated 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 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



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



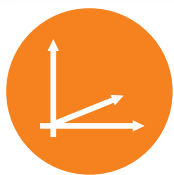
Sample Aspiration Device

- 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 200,000 sample results
- Professional data statistics query system



Operation Interface

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



Quality Control Solution

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

Specifications

Technology	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			
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			
Throughput	Auto & manual mode: up to 60 samples per hour, support STAT			
Sampling modes	Auto loader 20 µL, manual mode 20 µL, pre-diluted mode 20 µL			
Sampling device	Auto loader with 50 (10 × 5 racks) sample storage capacity Built-in bar code reader			
Aperture diameter	WBC 100 µm, RBC/PLT 68 µm			
LIS and HIS	Support, with HL7 protocol			
Reagent	Diluent, detergent, lyse, sheath			
Data Management	On board storage capacity of 200,000 samples			
Power	AC 100-240V, 50/60Hz, 300VA			
Alarms	Error messages			
Display	PC display with windows system, 17-inch color TFT display			
Dimension & Weight	580 mm (L) × 750 mm (W) × 550 mm (H), about 73 kg			
Operating Environment	Working Temp: 10 - 32°C Max. Relative Humidity 80% at 31°C Altitude up to 3000 mtrs. Air Pressure 70 - 106 kPa			
Linearity Count	Parameter	Linearity Range	Carry Over	CV
	WBC	(0-500.0) - 10 ² /L	≤0.5%	≤2.0%
	RBC	(0-8.00) - 10 ² /L	≤0.5%	≤1.5%
	HGB	(0-250)g/L	≤0.5%	≤1.5%
	PLT	(0-5000)x10 ² /L	≤1.0%	≤4.0%

