

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

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: 20µL, pre-diluent: 20µL

Aperture diameter

WBC 100µm, RBC/PLT 68µm

Throughput

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

Data Storage

Up to 200,000 sample results with grams

Alarms

Error messages & pathological flagging

Display

10.4-Inch color touch screen

Input/output

Built-in thermal printer, support serial port, LAN port, USB port

LAN port, USB port

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

Dimension & weight

530mm (L) x 270mm (W) x 412mm (H), about 26.5kg



EdgeLabs LLP

Diagnostic excellence to enhance life

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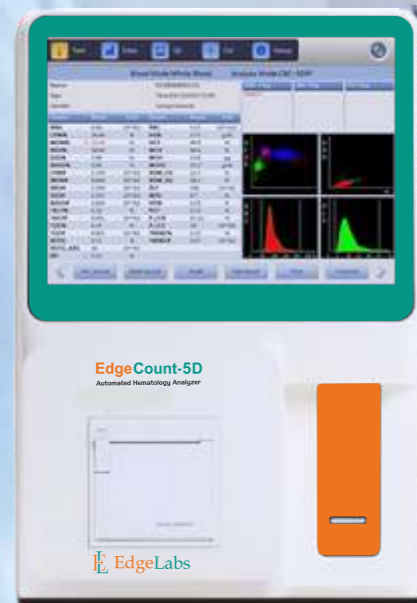
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EdgeCount-5D

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
- Compact design
- 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
- 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 EdgeCount-5D operation interface like all EdgeCount hematology series



Quality Control Solution

- EdgeCount-5D original QC reagent with multi-method as L-J, X, X-R, X-B, etc
- Third party QC solution available