

- 22 parameters with P-LCC, P-LCR and RBC, WBC, PLT histograms
- Throughput up to 72 samples per hour with double chamber design
- Impedance method for WBC, RBC and PLT
- Photoelectric colorimetry method for HGB with cyanide free reagent
- Micro sample volume at 8.5 µL for whole blood mode and 20 µL for pre-dilute mode
- On board storage capacity of 100,000 samples results
- Four kinds of QC modes: L-J, X, X-R and X-B
- Support USB data backup & system upgrade
- Build-in thermal printer
- LIS and HIS available with HL7 protocol



EdgeCount-3D

Automated Hematology Analyzer



Parameters

3-part differentiation of WBC, 22 parameters and 3 histograms

WBC, LYM#, MID#, GRAN#, LYM%, MID%, GRAN%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW-CV, PDW-SD, PCT, P-LCR, P-LCC

Principles of Operation

WBC/RBC/PLT: Electrical Impedance
HGB: Photoelectric Colorimetry

Aspiration Volume

Whole blood 8.5 µL, pre-diluted 20 µL

Aperture Diameter

WBC 100 µm, RBC/PLT 68 µm

Throughput

72 samples per hour

Data Storage

Up to 100,000 samples results with histograms

Alarms

Error messages

Dilution Ratio

	Whole blood	Capillary blood
WBC/HGB	1:232	1:400
RBC/PLT	1:40000	1:45000

Display

10.4 inch colour LCD, resolution 800 x 600 screen

Control & Calibration

L-J, X-R, X-B four control modes, manual and auto-calibration

Input/Output

RS-232 Support, 6 USB (mouse, keyboard, HP printer, barcode reader and flash disk), Internal 57 mm thermal printer

Power

AC 100-240 V, 50/60 Hz, 180 VA

Dimension & Weight

415 mm (L) x 305 mm (W) x 395 mm (H), 18 kg

Accurate and Precise Results

- High precision syringes
- Internal preheating for diluent for every test
- Proven impedance measurement technology
- Auto internal & external cleaning for aspiration probe
- 68 µm and 100 µm ruby apertures



Easy to Use

- Internal storage of lyse
- Working status indicator light
- Large color LCD with high resolution
- Mouse and keyboard connection by USB



Cost-effective

- Only 2 reagents for sample testing
- Flexible reagent packaging
- Tidy fluid system with low reagent consumption



Low and Easy Maintenance

- Special self-checking function during initialization
- Auto clog removing by aperture cauterizing and flushing
- Openable front panel and side door
- Error messages



Nearly Perfect Software Function

- Friendly interface and illustrate icons
- On board storage up to 100,000 results
- L-J, X, X-R and X-B QC methods
- Support LIS and HIS



Reliable Spare Parts Quality

- Well-known global spare parts supplier
- High performance PCB board from fully automatic assembly line
- Individual quality control management for each component



International Standard Certificate and Registration Documents

- ISO 13485 : 2016
- CE, FSC, clinical test report, risk analysis



Professional Technical Support

- Entire life cycle service solution
- Door-to-door service for complicated problems
- Provide qualification certificate to skilled engineer

