

Parameters



22

Parameters

WBC, Lym#, Mid#, Gran#,
Lym%, Mid %, Gran%

RBC, HGB, HCT, MCV
MCH, MCHC, RDW-SD, RDW-CV

PLT, MPV, PDW-CV, PDW-SD
PCT, P-LCC, P-LCR

Technical Specifications

- Principle** : Electrical impedance and Photometry
- Throughput** : 60 samples/hour
- Sample volume** : 9 μ L (whole blood mode), 20 μ L (pre-diluted mode)
- Parameters** : 22 parameters + 3 histograms
- Calibration** : Manual and Auto-calibration
- Sample type** : Capillary whole blood, Venous whole blood, Pre-diluted blood
- Quality control** : L-J and X-B floating mean
- Storage** : 600,000 test records
- Power** : 100V-240V (50/60Hz)
- Dimensions** : 280 mm (L)*460 mm (W)*400 mm (H)
- Weight** : 18Kg
- Display** : 10.4" color LED touch screen

mbcount³⁶⁰

3 PART HEMATOLOGY ANALYZER



Easy Operations



High Accuracy



Best in Class
Features



Easy Maintenance



Marketed & Distributed By:

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Modern 3 part Hematology Analyzer



Easy Operation



Excellent Performance



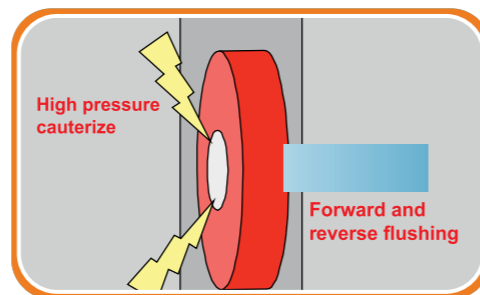
Low Reagent Consumption



Easy Maintenance

Easy maintenance

- De-clogging blockage removal design.
- Automatic cleaning.
- Using only one maintenance reagent.



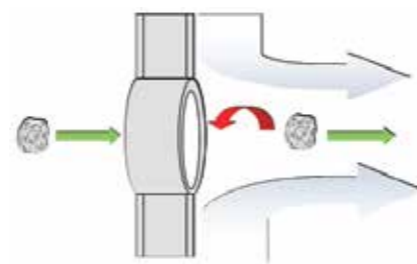
High accuracy

- Bidirectional stereoscopic back-swirling design: prevent re-circulation of cell particles resulting in repeat count.
- Digital filtering algorithm: Automatic identification of interference signal to correct the symmetry of RBC histogram.
- Pulse recognition algorithm.



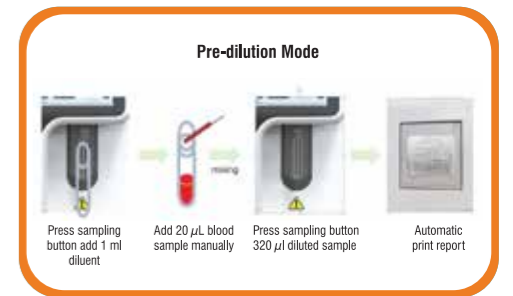
Effective results analysis

- Speed: 60T/H.
- Built-in self-diagnosis device.
- Real-time display of reaction curve.



Easy operations

- 10.4 inches touch screen with vivid colors and intuitive interface.
- Adopts a mainstream interface design to meet most user habits.
- One-click return or switch modes.
- Small footprint, lyse inside the machine.



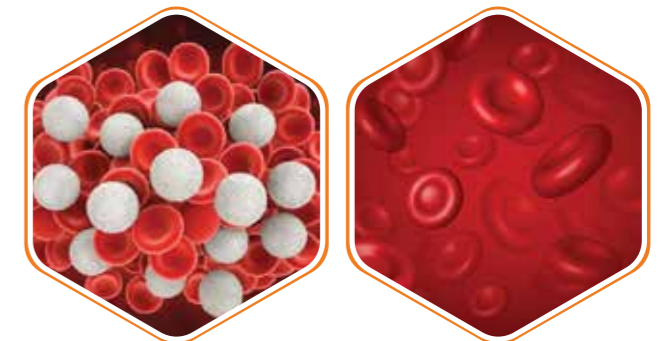
Improved supporting systems

- Cyanide free reagent and low reagent consumption.
- Built-in thermal printer multiple interfaces.
- Large storage of 600,000 results.



Widest linear range

- ▶ WBC : upto $200 \times 10^6 / \mu\text{l}$
- ▶ RBC : upto $8 \times 10^{12} / \mu\text{l}$
- ▶ HGB : upto 25g/dL
- ▶ PLT : upto $5,000 \times 10^3 / \mu\text{L}$



Repeatability

AlphaCount Smart		
Parameters	Range of tests	Repeatability CV
WBC	$(3.5 \sim 15.0) \times 10^9 / \text{L}$	$\leq 2.5\%$
RBC	$(3.50 \sim 6.00) \times 10^{12} / \text{L}$	$\leq 1.5\%$
HGB	110 g/L ~ 180 g/L	$\leq 1.5\%$
MCV	80 fL ~ 110 fL	$\leq 1.0\%$
PLT	$(100 \sim 149) \times 10^9 / \text{L}$	$\leq 6.0\%$
	$(150 \sim 500) \times 10^9 / \text{L}$	$\leq 4.0\%$