Reliable and Accurate Result
- Comprehensive QC programs including L-J
- Automatically draw and print QC graph
- Automatic and manual calibration
- Unique calibration program with fresh blood
- Unique washing system of sample probe for each test to assure accurate result

User-friendly Design
- Fully automatic analysis cycle
- Automatic internal and external probe cleaning
- 10.4-inch color touch screen for easy operation

Economical Test Flow
- Low sample volume: 10μL whole blood per test
- Use two reagents only (Diluent and Lyse)
- Less maintenance reagent (Probe cleanser only)

Powerful Software
- Huge storage of 30,000 sample results with histogram
- Rapid access to patient result
- Programmable multi-format printout
- Multi-language operation system: English, Spanish, French, and Portuguese
- Easy to upgrade through CF card
Specifications

Test principle: Impedance method for WBC, RBC and PLT. Spectrophotometry for HGB
Clot clear: High voltage pulse on aperture and high pressure backflush
Sample volume: Whole blood: 10μL, prediluted: 20μL
Chambers: Two chambers
Aperture diameter: WBC: 100μm, RBC & PLT: 70μm
Throughput: 60 samples/hour
Display: 10.4-inch color touch screen, displaying all parameters and histograms
Input and output: USB, serial ports for RS232 and barcode scanner, support LIS and online printing
Working environment: 10℃ ~ 35℃, Humidity: ≤85% RH
Voltage: AC 100V ~ 240V, 50Hz/60Hz±1Hz, auto adapt according to the input voltage
Dimension: 370mm×435mm×472mm
Net weight: 25KG

Performance

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Linearity</th>
<th>Precision (CV%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WBC (10^9/L)</td>
<td>0.0~100</td>
<td>2.0 (7.0~15.0)/L</td>
</tr>
<tr>
<td>RBC (10^12/L)</td>
<td>1.0~9.99</td>
<td>1.5 (3.5~6.0)/L</td>
</tr>
<tr>
<td>HGB (g/L)</td>
<td>0~300</td>
<td>1.5 (110~180)g/L</td>
</tr>
<tr>
<td>MCV (fl)</td>
<td>0~999</td>
<td>0.4 (0.8~110)fl</td>
</tr>
<tr>
<td>PLT (10^12/L)</td>
<td></td>
<td>4.0 (150~500)/L</td>
</tr>
<tr>
<td>Carry over</td>
<td>WBC ≤ 0.5%</td>
<td>RBC ≤ 0.5%</td>
</tr>
<tr>
<td></td>
<td>HGB ≤ 0.5%</td>
<td>PLT ≤ 1%</td>
</tr>
</tbody>
</table>

Parameters

- WBC
- Lymph# (WBC %)
- Mch (MCH)
- Mch% (MCH %)
- RBC
- Neut (Neut #)
- Hct (HCT)
- MCV
- P-LCR
- Neut% (Neut %)
- RDW-SD
- MPV
- PDW
- PCT
- MCHC (MCHC)
- WBC Histogram
- RBC Histogram
- PLT Histogram