Better Usability

Minimum size with the footprint similar to that of a 17 inch laptop, with space saving design that allows internal storage of lyse giving small labs more space. 10.4 inch TFT touch screen together with our powerful software enhances user operations and experience.

New technology that eliminates the need for cleanser and rinse, reducing the number of reagents needed while at the same time lowering overall reagent consumption. Flexible packaging of reagents, with normal and small sizes to better cater to the needs of different daily sample volumes.

Enhanced Performance

Higher throughput at 70 tests per hour.

Micro sample volume at 9.0uL for whole blood mode with capillary whole blood samples supported, perfect for pediatric samples.

BC-30s Auto Hematology Analyzer

Technical Specifications

**Principles:**
- Impedance method for WBC, RBC and PLT counting
- Cyanide free reagent for hemoglobin test

**Performance:**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Linearity Range</th>
<th>Precision (CV %)</th>
<th>Carryover</th>
</tr>
</thead>
<tbody>
<tr>
<td>WBC(10^9/L)</td>
<td>0-200</td>
<td>≤3.5% (4.0-6.9)</td>
<td>≤0.5</td>
</tr>
<tr>
<td>RBC(10^12/L)</td>
<td>0-8.00</td>
<td>≤1.5% (3.5-6.5)</td>
<td>≤0.5</td>
</tr>
<tr>
<td>HGB (g/L)</td>
<td>0-280</td>
<td>≤1.5% (100 -180)</td>
<td>≤0.5</td>
</tr>
<tr>
<td>MCV (fL)</td>
<td></td>
<td>≤1.0% (70 -110)</td>
<td></td>
</tr>
<tr>
<td>PLT(10^9/L)</td>
<td>0-4000</td>
<td>≤5.0% (100 -149)</td>
<td>≤1.0</td>
</tr>
</tbody>
</table>

**Parameters:**
- 21 parameters: WBC, Lymph#, Mid#, Gran#, Lymph%, Mid%, Gran%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, P-LCR, P-LCC

**3 histograms for WBC, RBC and PLT**

**Reagent:**
- M-30D DILUENT
- M-30CFL LYSE
- PROBE CLEANSER

**Sample Volume:**
- Prediluted mode: 2.5uL
- Whole blood mode: 9 uL

**Throughout:**
- 70 samples per hour

**Display:**
- 10.4 inch TFT Touch Screen

**Min Size, Max Capability**

**Auto Hematology Analyzer**

- Up to 100000 results including numeric and graphical information
- LAN port supports HL7 protocol
- Supports bi-directional LIS

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**Operating Environment:**
- Temperature: 10°C~40°C
- Humidity: 10%~90%
- Air pressure: 70kPa ~ 106kPa

**Power Requirement:**
- 100V-240V
- ≤300VA
- 50Hz/60Hz

**Dimension and Weight:**
- Dimension (W*H*D): 400 (mm) x 410 (mm) x 300 (mm)
- Weight: ≤20kg

**Data Storage Capacity:**
- Up to 500,000 results including numeric and graphical information

**Communication:**
- LAN port supports HL7 protocol
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**Min Size, Max Capability**
Detailed /f_lag information never before seen on a 3-part analyzer. Provides information useful for diagnosis including WBC /f_lag, RBC /f_lag and PLT /f_lag.

Different /f_lag information provided according to parameter results together with histograms.

WIFI capability provides you an added option for data communication together with bi-directional LIS, USB port and LAN port, barcode reader, printer and keyboard.

Sample 1: BC-30s shows /f_lags “Leucopenia”, “Lymph decreased”, “Pancytopenia” which mean white blood cell decreased, the low number of lymphocyte and decreased of leukocyte, erythrocyte and plate count. Meanwhile “R3” /f_lag is also displayed. Two kinds of /f_lag messages are both supported to ensure clinicians have better understanding of sample results.

Sample 2: Flag “Anemia” means that the sample has the possibility of anemia.

Sample 3: Flag “Thrombopenia” indicator is shown together with Platelets low /f_lag.

At Mindray we pride ourselves in our dedication and experience in developing better solutions for small labs. Our new line of 3-part hematology analyzers is the culmination of that effort. Compact yet powerful, full featured yet affordable, the BC-30s is what a 3-part analyzer should be.

Exclusive Feature

Detailed flag information never before seen on a 3-part analyzer. Provides information useful for diagnosis including WBC flag, RBC flag and PLT flag.