BC-3200
Auto Hematology Analyzer

Distributed by: CLIAwaived.com™
San Diego, CA 92121
tel 858-481-5031
toll free 888-882-7739
www.cliawaived.com
BC-3200
Auto Hematology Analyzer

- Closed tube sampling
- Sampling with 4 position tube holder
- Micro sampling of 13 µL
- 3-part differential, 19 parameters + 3 histograms
- Up to 60 samples per hour
- Large color LCD display
- Data storage of 35,000 samples with histogram
Flexible and Easy To Use

- Fully automatic analysis cycle
- Intelligent alarm to avoid wrong tube
- Automatic internal and external needle cleaning

High Reliability and Safety

- Sampling on closed tube to avoid biohazard
- Automatic protection when chamber door is open
- Cyanide-free reagent to protect environment

Total Solution for QC and Calibration

- Comprehensive QC programs including L - J, X, X-R and X-B analysis
- Up to 9 QC file-31 runs / file
- Fully automatic calibration
- Unique calibration program with fresh blood

Powerful Customizable Software Design

- Huge storage of 35,000 patient results with histogram
- Convenient patient data review
- Programmable multi-format printout
- Fully automatic daily maintenance program
BC-3200
Auto Hematology Analyzer

Technical Specifications:

Parameters
WBC, Lymph #, Mid #, Gran #, Lymph %, Mid %, Gran %, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT and Histogram for WBC, RBC, PLT

Principles
Electrical resistance for counting and Cyanide free method for hemoglobin

Performance

Parameter | Linearity Range | Precision (CV %)
--- | --- | ---
WBC (10⁹ / L) | 0.3~99.9 | 2.5 (7.0~15.0)
RBC (10¹² / L) | 0.20~8.0 | 2 (3.5~6.0)
HGB (g / L) | 10~250 | 1.5 (110~180)
MCV (FL) | 50 (80.0~110.0)
PLT (10⁹ / L) | 10~99.9 | 5 (150~500)

Sample Volume
Prediluted 20 µL
Whole Blood 13 µL

Sample processing
On closed tube with 4 position tube holder (QC, 1.5mL, 3mL, 5mL)

Aperture Diameter
WBC 100 µm
RBC/PLT 70 µm

Dilution Ratios

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Whole Blood</th>
<th>Capillary Blood</th>
</tr>
</thead>
<tbody>
<tr>
<td>WBC</td>
<td>1:308</td>
<td>1:546</td>
</tr>
<tr>
<td>RBC/PLT</td>
<td>1:4872</td>
<td>1:5827</td>
</tr>
</tbody>
</table>

ThroughPut
60 samples per hour

Display
Large Color LCD display
Resolution : 800 x 600

Alerts
45 sets of alert message

Menu
Count, Sample Mode, Review, Quality Control, Setup, Service, Calibration, Help, Shutdown

Carryover
WBC, RBC, HGB < 0.5 %, PLT < 1 %

Input/Output
RS232 x 2, 1 Parallel printer (optional), 1 bar code scanner (optional), 1 keyboard interface

Printout
Thermal recorder, 50mm wide paper, multitude of printout formats, printer optional

Operating Environment
Temperature: 15°C-30°C
Humidity: 30 % ~ 85 %

Power Requirement
AC 100-240V, 50 / 60Hz

Dimension
457mm (H) x 391mm (W) x 425mm (D)

Weight
25 Kg