**BC-3600**
Auto Hematology Analyzer

**Technical Specifications**

### Parameters

- **WBC, Lymph%, Mid%, Gran%**
- **RBC, HGB, HCT, MCV, MCH, MCHC, RDW, PLT, MPV and histograms for WBC, RBC, PLT**

### Principles

- Electrical impedance method for cell counting and Cyanide free for Hemoglobin

### Performance

- **WBC (10^3/µL)**: Linearity: 0.2 - 99.9, Precision (CV%): 3.0 (≥4.0)
- **RBC (10^6/µL)**: Linearity: 0.2 - 7.99, Precision (CV%): 2.5
- **HGB (g/dL)**: Linearity: 1.0 - 24.99, Precision (CV%): 2.0
- **MCV (fL)**: Precision (CV%): 2.0
- **PLT (10^3/µL)**: Linearity: 10 - 999, Precision (CV%): 6 (≥150)

### Sample Volume

- Prediluted: 20µL
- Whole Blood: 21µL

### Throughput

- 60 samples per hour

### Display

- Large color touch screen
- Resolution: 800×600

### Weight

- 62 lbs

### Connectivity

- 4 USB ports (for external printer, software upgrade, barcode reader, keyboard and mouse), LAN port (1), RS232 (1)

### Printout

- Thermal recorder, 50mm width paper, various printout formats, external printer (optional)

### Operating Environment

- **Temperature**: 15°C~30°C
- **Humidity**: 30%~85%

### Power requirement

- AC 100-240V, 50/60±1Hz

### Dimensions

- 16 in(W) x 18 in(H) x 18 in(D)

### Close Tube Sampling

- 21µL

### Carryover

- WBC: ≤0.5%, RBC: ≤1.0%

**Surpassing Performance**

High-quality original reagents, calibration and controls offer a complete system for our tests. Cyanide-free reagents allow laboratories to meet necessary environmental regulations. Complete traceability system ensures closest consistency with standard methods.

**Superior Reagents, Quality Controls and Calibrators**

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**High Quality Design**

New internal structural design separates electronic components from the fluidic system, decreasing interference while at the same time allowing for easier maintenance.

**Pleasant Experience in Hematology Testing**

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Mindray is listed on the NYSE under the symbol “MR”
Labs today are facing a multitude of challenges including limited laboratory budgets, increasing requirements for high quality as well as reliable products, a shortage of experienced clinicians and so on. We understand the specific needs of end users, and use them as the foundation for our new solution BC-3600. Complete with an intuitive operation system, convenient data communication interface, excellent performance, BC-3600 is a system solution for satellite labs and clinics.

### BC-3600
Auto Hematology Analyzer

The well organized software interface eases your operation and gives you easy control of sample results, patient records, and report customizations. Shortcut menu simplifies your work process and improves efficiency. Distinguishable areas display WBC, RBC and PLT results clearly. Automatic maintenance programs can be executed by double-clicking the function keys while operational errors can be removed with single clicks.

**Intuitive and Powerful Software**

- CBC+3-DIFF, 16 parameters+3 histograms
- Throughput: 60 samples per hour
- Intuitive operation system with TFT touch screen
- Enhanced performance by proven technologies
- Closed Tube Sampling
- 40,000 results storage with histograms
- High quality QC, calibrators and reagents

**Complete Data Communication**

Integrated HL7 communication protocol for LIS connection. A wide selection of interface options are available including RS232 for computer connection, USB for QC assay values upload, barcode scanner, and keyboard connection.

**Intelligence and Efficiency**

Efficient ZAP and flush method removes clog completely. For Closed Tube model, 3 types of tube adaptors are provided to satisfy individual laboratory needs. With the on-line reminder function, users can conveniently monitor the reagent residual volumes through the software.

**Key Features**

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- Intuitive operation system with TFT touch screen
- Enhanced performance by proven technologies
- Closed Tube Sampling
- 40,000 results storage with histograms
- High quality QC, calibrators and reagents