



VECTOR



MINIMUM SIZE,  
MAXIMUM  
CAPABILITY

## BC-10e

Hematology Analyzer

### Features :

- CBC+3-DIFF, 20parameters+3histograms
- Throughput : 30 samples per hour
- Intuitive operation system with 8.4 inch TFT touch screen
- Most compact footprint and best power efficiency
- Open vial sampling
- 50,000 results storage with histograms
- Reagent barcode system for better handling of reagents
- New operation system platform
- High WBC Linearity with accuracy
- Support bi-directional LIS

### Technical Specifications :

#### Principles

- Impedance method for WBC, RBC and PLT counting.
- Cyanide free reagent for hemoglobin test

#### Parameters

- 20 parameters : WBC, Lymph#, Mid#, Gran#, Lymph%, Mid%, Gran%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, P-LCR.
- 3 histograms for WBC, RBC and PLT.

#### Reagent

- DILUENT
- LYSE
- PROBE CLEANSER

#### Sample Volume

- Whole blood  $\leq 20 \mu\text{L}$

## Performance

Parameter	Linearity Range	Carryover	Precision (CV %)	Carryover
WBC( $10^9/L$ )	0-100	$\leq 0.5\%$	$\leq 4.0\%$ (4.0-15.0)	$\leq 0.5\%$
RBC( $10^{12}/L$ )	0-8.00	$\leq 0.5\%$	$\leq 2.5\%$ (3.5-6.5)	$\leq 0.5\%$
HGB(g/L)	0-280	$\leq 1.0\%$	$\leq 2.0\%$ (100-180)	$\leq 1.0\%$
MCV(fL)		$\leq 1.5\%$ (70.0-110.0)	$\leq 1.5\%$ (70.0-110.0)	
PLT( $10^9/L$ )	0-1000	$\leq 8.0\%$ (100-500)	$\leq 8.0\%$ (100-500)	$\leq 1.0\%$

### Throughput

30 samples per hour

### Display

8.4 inch TFT Touch Screen

### Language

English

### Data Storage Capacity

Up to 50,000 results including numeric and graphical information

### Communication

LAN Port supports HL7 protocol  
Support bi-directional LIS

### Interface

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

### Printout

Thermal recorder, 50 mm wide paper, various printouts formats

### Operating Environment

Temperature :  $15^{\circ}\text{C}\sim 30^{\circ}\text{C}$   
Humidity :  $20\%\sim 85\%$   
Air pressure :  $70\text{kPa}\sim 106\text{kPa}$

### Power Requirement

$(100\text{V}-240\text{V})\pm 10\%$   
 $\leq 180\text{VA}$   
 $(50\text{Hz}/60\text{Hz}) \pm 1\text{Hz}$

### Dimension and Weight

Dimension : Depth (410 mm) x width (300 mm) x height (400 mm)  
Weight :  $\leq 20\text{Kg}$



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