

BC-5180

Auto Hematology Analyzer

Technical Specifications:

Principles

Impedance method for WBC, RBC, PLT counting
Cyanide-free reagent for Hemoglobin test
Flow Cytometry (FCM), Semi-conductor Laser scatter, chemical dye method, independent Basophil channel

Parameters

WBC, Lym%, Mon%, Neu%, Eos%, Bas%, Lym#, Mon#, Neu#, Eos#, Bas#, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, LIC%, LIC#, ALY%, ALY#
3 histograms and 1 scattergram

Sample Mode

Autoloader
Closed Tube

Throughput

Up to 60 samples per hour with autoloader
Up to 50 samples per hour with closed tube

Sample Volume

Whole Blood: 20 µL
Prediluted: 20 µL

Test Mode

CBC CBC+DIFF

Performance

Carryover	Precision	Linearity
WBC ≤ 0.5%	≤ 2.0% (4-15 x 10 ⁹ /L)	0.00-99.99 x10 ⁹ /L
RBC ≤ 0.5%	≤ 1.5% (3.5-6.0 x 10 ¹² /L)	0.00-8.00 x10 ¹² /L
HGB ≤ 0.5%	≤ 1.5% (110-180g/L)	0-250g/L
PLT ≤ 1.0%	≤ 4.0% (150-500 x 10 ⁹ /L)	0-1000 x10 ⁹ /L



Data Storage Capacity

Up to 40,000 results including numeric and graphical information

Communication

LAN Port supports HL7 protocol

Operating Environment

Temperature: 15°C~30°C
Humidity: 30~85%
Air Pressure: 70~106 kPa

Power Requirement

A.C.100-240V ≤ 300VA 50/60Hz

수입판매원 :

META-MEDI

(주)메타메디

대전광역시 서구 계백로860번길 8, 2층(관저동 1967-1)
T : 041.751.3826 F : 041.754.3827
Website : www.metamedi.net

mindray

Mindray is listed on the NYSE under the symbol "MR"
Mindray Building, keji 12th Road South, High-tech Industrial Park,
Nanshan, Shenzhen 518057, P.R. China
Tel: +86 755 26582888 Fax: +86 755 26582680
E-mail: intl-market@mindray.com Website: www.mindray.com



BC-5180

Auto Hematology Analyzer

BC-5180

Auto Hematology Analyzer

With closed tube and autoloader sampling variety, BC-5180 can bring you safety and walk-away convenience.

The compact design, intelligent software, user friendly operation, accuracy, cost efficiency and dynamic report format ensure end user satisfaction.

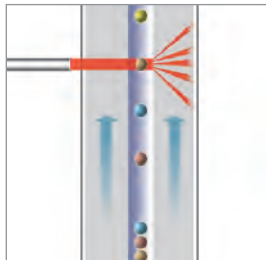
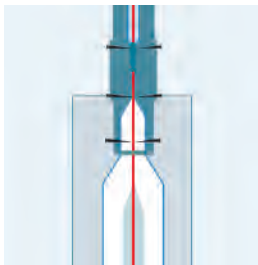
Laser scatter, advanced flow cytometry, chemical dye method, Impedance method; all these main-stream technologies are combined together in one package to assure accuracy and consistency of test results.

- 5-part differentiation, 27 parameters, 1 scattergram and 3 histograms
- Semi-conductor laser scatter combined with chemical dye method, advanced flow cytometry
- 20ul sampling volume of blood
- Up to 60 samples per hour
- 2 sampling modes: autoloader and closed tube
- 2 counting modes: whole blood and prediluted
- Automatic flag for abnormal samples
- 40,000 sample records storage



Laser light scatter and chemical dye method

5-part WBC differentiation can be accurately achieved on BC-5180 by using a reliable and economical semi-conductor laser source. Through analysis of the forward and side scatter signals, cells can be differentiated on size and granule complexity.



Dual acceleration flow cell system

Dual acceleration flow cell system ensures more stable and single cell flow allowing for accurate measurement via laser scatter.

- **Safe and Efficient**
Autoloader with 30 tubes capacity and random access to enhance walk-away automation
Closed tube sampling to protect operators from biohazards and contamination
Up to 60 samples per hour throughput with autoloader and 50 samples per hour for close tube
- **Flexible and convenient**
Customizable, intelligent and friendly PC software
One-click removal of errors
0 daily maintenance is required
STAT samples can be inserted randomly
- **Cost-effective and Accurate**
Only 4 routine reagents for cycle test
Complete QC program for quality assurance

