

MINDRAY

BC-5300 Auto Hematology Analyzer

NEW



www.mindray.com

BC-5300

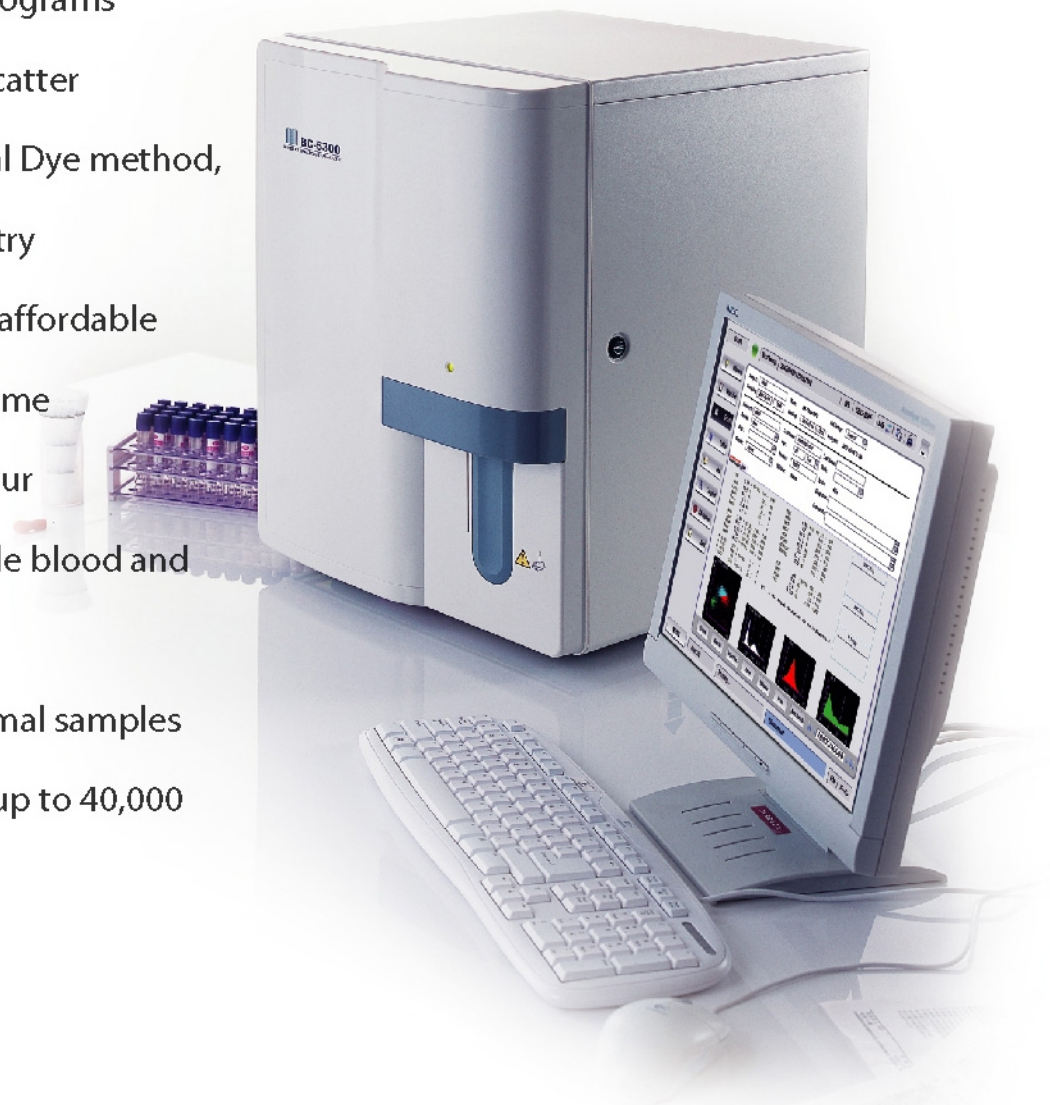
Auto Hematology Analyzer

BC-5300 is your best choice. It is convenient, efficient, economic and versatile.

BC-5300's compact design, powerful software, user friendly operation, high performance, cost efficiency and dynamic report format ensure end user satisfaction.

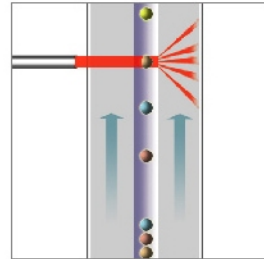
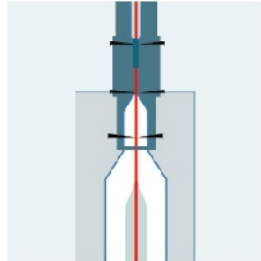
Impedance method, Advanced Flow Cytometry, Laser Scatter light, Chemical Dye method; all these mainstream technologies are combined together in one package to assure accuracy and consistency of test results.

- 5-part differentiation, 27 parameters,
1 scattergram and 3 histograms
- Semi-conductor Laser Scatter
combined with Chemical Dye method,
Advanced Flow Cytometry
- Compact, powerful and affordable
- Only 20ul sampling volume
- Up to 60 samples per hour
- 2 counting modes: Whole blood and
Prediluted
- Capability to flag abnormal samples
- Large storage capacity: up to 40,000
samples



Laser light scatter and chemical dye method

BC-5300 Utilizes reliable and economical semi-conductor as light source for flow cytometry system. With unique chemical dye reagents treatment. Through analysis of different angle scatters, cell size, granularity and complexity, WBC 5-part differentiation can be accurately achieved.



Dual Acceleration Flow cell system

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

Time Saving

With the press of just one button, analysis and report can be completed in one minute.

Up to 60 tests per hour



Effortless

Press only one button, most errors will be removed automatically

Automatic zap, unclog, flush functions

Customizable, easy to operate software



Economical

Only 4 reagents for routine sampling including Diluent, LEO I Lyse, LEO II Lyse and LH Lyse

Only 20ul sample volume is required for complete analysis including CBC and 5-part differentiation

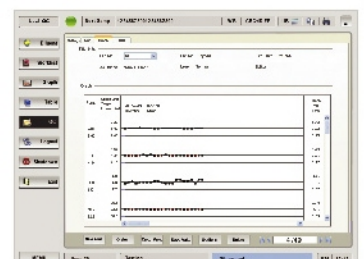
No daily maintenance



Accurate and Consistent

Comprehensive quality assurance

Advanced technologies enhancing accuracy



BC-5300

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

Throughput

Up to 60 samples per hour

Sample Volume

Whole Blood: 20 μ l
Prediluted: 20 μ l

Test Mode

CBC CBC+DIFF

Performance

	Carryover	Precision	Linearity
WBC	$\leq 0.5\%$	$\leq 2.0\%$ ($4-15 \times 10^9/L$)	$0.00-99.99 \times 10^9/L$
RBC	$\leq 0.5\%$	$\leq 1.5\%$ ($3.5-6.0 \times 10^{12}/L$)	$0.00-8.00 \times 10^{12}/L$
HGB	$\leq 0.6\%$	$\leq 1.5\%$ (110-180g/L)	0-250g/L
PLT	$\leq 1.0\%$	$\leq 4.0\%$ ($150-500 \times 10^9/L$)	$0-1000 \times 10^9/L$

Data Storage Capacity

Up to 40,000 results including numeric and graphical information



Communication

LAN Port supports HL7 protocol

Operating Environment

Temperature: 15 $^{\circ}$ C -30 $^{\circ}$ C
Humidity: 30-85%
Air Pressure: 70-106 kPa

Power Requirement

A.C.100-240V $\leq 300VA$ 50/60Hz

Dimension and Weight

410mm(L) X 470mm(W) X 530mm(H)
Weight: <45kg



MINDRAY™

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