

BC-5130

Auto Hematology Analyzer

CBC / CBC + DIFF
NRBC*, PLT CLUMP*, LIP*, ALY*, LIC*



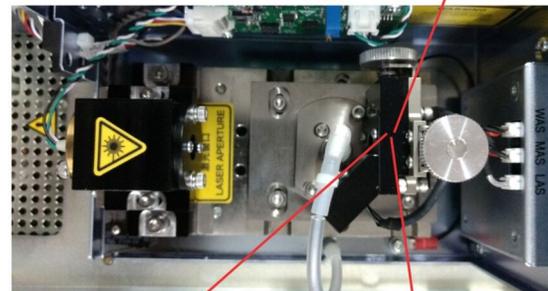
BC-5130

BC-5130 High Lights

- 5-part differentiation, 25 reportable parameters + 10 research parameters, 4 scattergrams and 3 histograms
- Laser scatter + Chemical dye + Flow cytometry technology
- Tri-angle laser scatter, have better performance on high Eosinophil sample
- Independent channel and optical method for Basophil measurement
- Only 3 reagents for 5 differential
- Capability to flag 25 abnormal blood cell morphology
- Support whole blood mode for capillary sample
- 60 samples per hour
- 10.4 inch large TFT touch screen
- Large storage capacity up to 150,000 samples
- Support Uni or Bi-directional LIS communication

SEMI CONDUCTOR TRI - ANGLE LASER UNIT

Cell volume
LAS: Low angle scatter
(1-4 degrees)



Cellular granularity
WAS: Wide angle scatter
(22-42 degrees)

Cellular complexity
MAS: Middle angle scatter
(6-20 degrees)

BC-5130

Auto Hematology Analyzer

Technical Specification

Principles

- Flow Cytometry (FCM) + Laser Scatter + Chemical dye Method for WBC differential analysis and WBC counting
- Impedance method for RBC and PLT counting
- Cyanide free reagent for hemoglobin test

Parameters

- 25 reportable parameters: WBC, Lym%, Mon%, Neu%, Bas%, Eos%, Lym#, Mon#, Neu#, Eos#, Bas#, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, P-LCC, P-LCR
- 10 research parameters include LIC%, LIC#, ALY%, ALY#, PLT Clumps%, PLT Clumps#, Lip%, Lip#, NRBC%, NRBC#
- 3 histograms for WBC, RBC, and PLT
- 4 scattergrams : 1 scattergram for 4-differential parameters, 1 scattergram for WBC / Basophil and 2 scattergrams for Eosinophil.

Sampling Mode

CBC

CBC + DIFF

Reagent

Diluent, DIFF Lyse, LH Lyse, Probe Cleanser

Performance

Parameter	Linearity Range	Precision	Carryover
WBC	0-500x10 ⁹ /L	≤ 2.5% (4-15x10 ⁹ /L)	≤ 0.5%
RBC	0-8x10 ¹² /L	≤ 1.5% (3.5-6.0x10 ¹² /L)	≤ 0.5%
HGB	0-250g/L	≤ 1.5% (110-180g/L)	≤ 0.6%
PLT	0-5000x10 ⁹ /L	≤ 4.0% (150-500x10 ⁹ /L)	≤ 1.0%

Sample Volume

Whole Blood	15µl
Pre diluted	20µl
Capillary Whole blood	15µl

Interface

4 USB ports for Barcode Scanner, Printer, Key board, Mouse etc., LAN port for LIS Communication

Printout

External thermal printer
External Laser / Inkjet Printer with various printout formats (optional)

Operating Environment

Temperature: 10°C~ 30°C
Humidity : 20%~ 85%
Atmospheric pressure : 70kPa~ 106kPa

Power Requirement

100V-240V (50Hz/ 60Hz)

Dimension and Weight

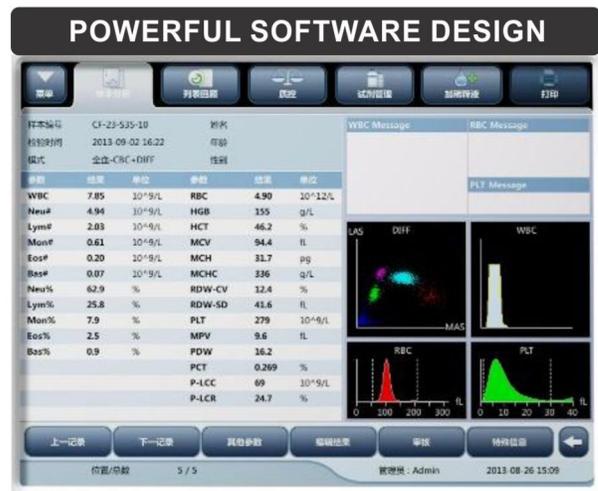
Depth*Width*Height: 410mm*325mm*435mm
Weight: 24.7kg

Authorized Distributor

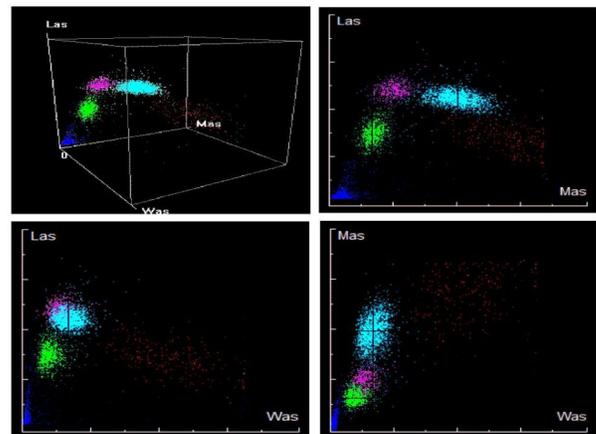
Golden
Harvest Industries

[Pioneer in Medical Diagnostics]

No. 83 (Old No. 33) New Boag Road
Opp. Kannampet Corporation School
T.Nagar, Chennai - 600 017
Tamilnadu, India
Tel : +91 44 2433 2994
Whatsapp : 92821 11672
Toll Free: 1800-420-4444
Email : info@goldenharvestindustries.com.



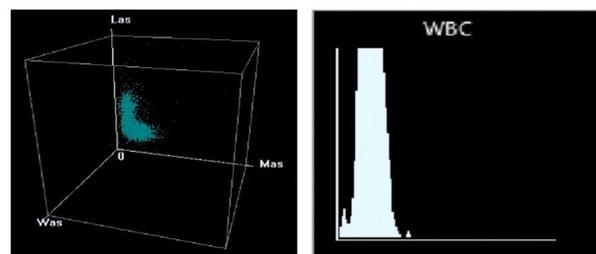
Better performance for High Eosinophil



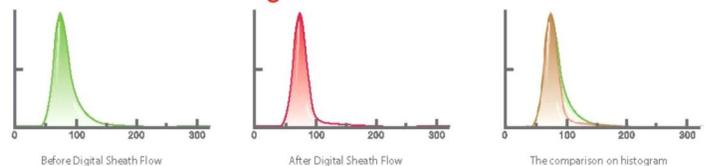
Tri-angle laser scatter + focused flow + chemical dye, created the possibility for better 5-part WBC differentiation even on samples with high Eosinophil

Optical Method for Basophil

Laser Scattering + Cytochemical Staining → Scattergram → Histogram



Digital sheath flow



Mindray patented technology can monitor every cell's status while going through the aperture, this accurately measures the volume of cells, giving a standardized histogram shape. Get more accurate RDW-CV and RDW-SD.

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