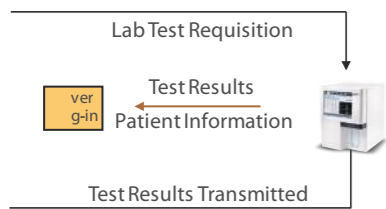




4 USB ports are located on the instrument's left side. They permit BC-5130 users to transmit data conveniently and connect with printers, keyboard, mouse, barcode scanner, etc.

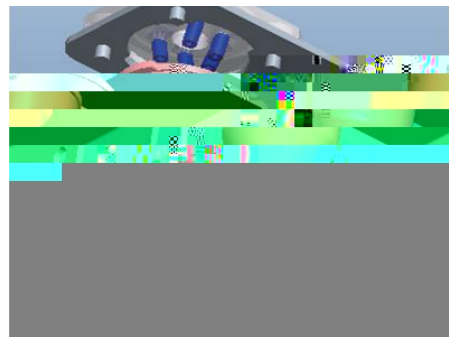


BC-5130 supports bi-directional LIS with test results and patient information. HL7 protocol is supported as well.

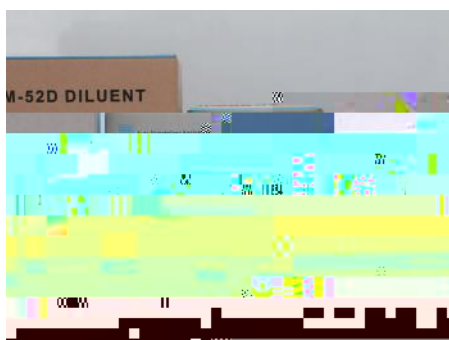


Technology

Compared with traditional helium neon laser or argon laser, semi-conductor laser has smaller size, lower cost and longer life cycle.



Improved DC impedance technology is used to count and size the RBC and PLT. The smaller counting aperture (50 μm in diameter) provides better performance on samples with low PLT.



Efficient

Only three routine reagents are required. These have 2 years shelf life and also less consumed by BC-5130. Original QC and calibrator are also provided to ensure the hematology analyzer's traceability and testing quality.

Technical Specifications

Principles

Impedance method for RBC and PLT counting
Cyanide free reagent for hemoglobin test
Flow Cytometry (FCM) +Tri-angle laser scatter + Chemical dye method for WBC 5-part differential analysis and WBC counting

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-LCR, P-LCC.
23 research parameters including LIC%, LIC#, ALY%, ALY#, PLT Clump#, PLT Clump%, Lip#, Lip%, NRBC#, NRBC%, Blast#, Blast%, Neu-X, Neu-Y, Neu-Z, Lym-X, Lym-Y, Lym-Z, Mon-X, Mon-Y, Mon-Z, NLR, PLR
3 histograms for WBC, RBC and PLT
4 scattergrams for WBC differential

Reagent

M-52D Diluent, M-52DIFF lyse, M-52LH lyse, probe cleanser

Performance

Parameter	Linearity Range	Precision	Carryover
WBC	0-500×10 ⁹ /L	≤2% (4-15×10 ⁹ /L)	≤0.5%
RBC	0-8×10 ¹² /L	≤1.5% (3.5-6.0×10 ¹² /L)	≤0.5%
HGB	0-250g/L	≤1.5% (110-180g/L)	≤0.6%
PLT	0-5000×10 ⁹ /L	≤6.0% (100-149×10 ⁹ /L) ≤4.0% (150-500×10 ⁹ /L)	≤1.0%

Sample Volume

Prediluted mode	20 μL
Whole blood mode	15 μL
Capillary whole blood mode	15 μL

Throughput

60 samples per hour

Display

10.4 inch TFT Touch Screen

Multi-language

Chinese, English, Spanish, Portuguese, Russian, French, Bahasa Indonesia

Data Storage Capacity

Up to 150,000 results including numeric and graphical information

Communication

LAN Port supports HL7 protocol

Interface

USB, LAN
Support bi-directional LIS

Printout

External Thermal printer/Laser printer / Inkjet printer, various printout formats and User-defined formats

Operating Environment

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

Power requirement

100V-240V
50Hz/60Hz

Dimension and Weight

Depth*width*height: 400mm*320mm*410mm
Weight: 24kg

BC-5130

Auto Hematology Analyzer

A "CUTE" 5-part 0.6265684.2175146.785 690

