



BC-30s

Auto Hematology Analyzer

Minimum Size,
Maximum Capability



mindray
healthcare within reach

BC-30s

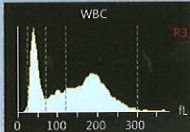
Auto Hematology Analyzer

New 3-part

With decades' dedication and cumulative experience in establishing hematology analyzer platform, BC-30s is newly designed for diagnosis labs wishing to have better usability and higher efficiency.

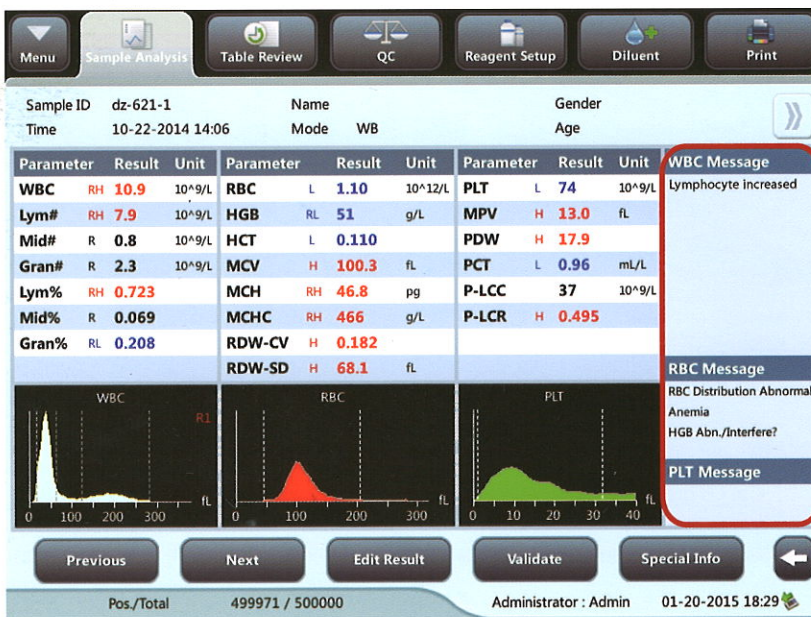
BC-30s, the minimum size hematology analyzer with extraordinary exquisite appearance Mindray have ever been designed, may offer you advanced user friendly operation, detailed flag information, which is the most compact footprint and the best power efficiency 3-part hematology analyzer with maximum capability.

Parameter	Result	Unit
WBC	L 2.4	10 ⁹ /L
Lym#	L 0.7	10 ⁹ /L
Mid#	R 0.3	10 ⁹ /L
Gran#	RL 1.4	10 ⁹ /L
Lym%	0.305	
Mid%	R 0.130	
Gran%	R 0.565	



Leucopenia
Lymphocyte
decreased
Pancytopenia

Exclusive Feature



Detailed flag message, as exclusive feature, assists doctors for pre-diagnosics. It can provide flag information which are similar with 5-part analyzer including WBC flag, RBC flag and PLT flag

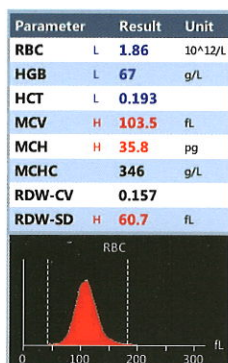
Different flag information are provided according to parameters results together with histograms.



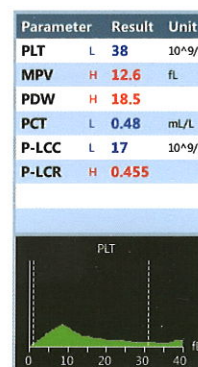
Sample 1 : BC-30s can provide flags named "Leucopenia", "Lymphocyte decreased", "Pancytopenia" which represent white blood cell decreased, the low number of Lymphocyte and decreased of leukocyte, erythrocyte and plate count. Also the previous flag "R3" is still shown. Two kinds of flag messages are both supported to ensure clinicians have better understanding of sample results.

Sample 2 : Flag "Anemia" is pop up. It means the sample has the possibility of anemia.

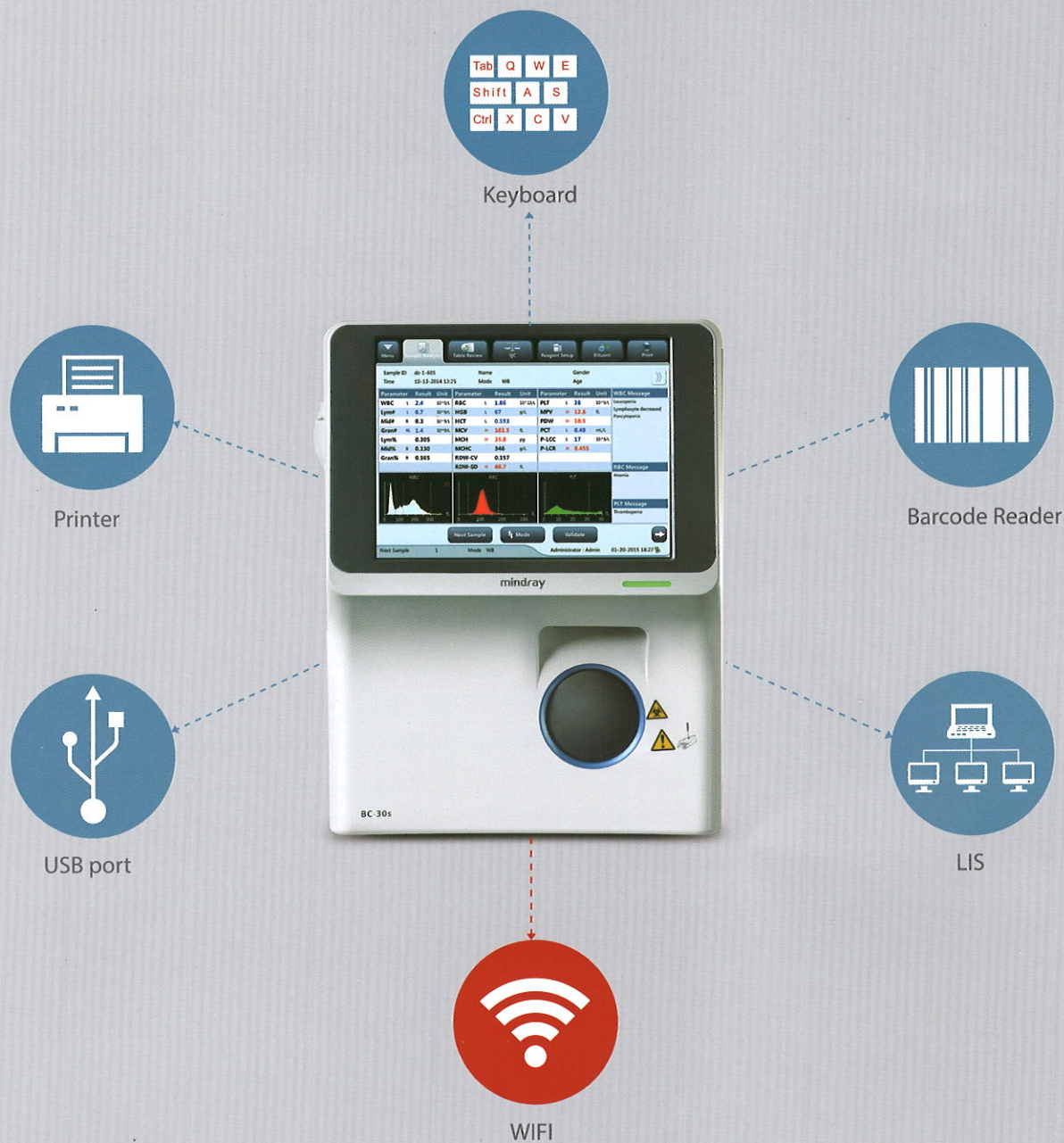
Sample 3 : Flag "Thrombopenia" is displayed which stands for Plates decreased.



Anemia



Thrombopenia



WIFI capability provides you full solution for data communication together with bi-directional LIS, USB port and LAN port, barcode reader, printer and keyboard.



Better Usability



Slim size spares you space

Minimum size with small footprint of 17 inch laptop as well as Internally-stored-lyse design save more space for small labs to ensure them have higher-usage of room.

10.4 inch TFT touch screen together with powerful software offer you more user-friendly interface and pleasant operation experience.



Smart design offers you lower reagent consumption

Less reagents is needed and lower reagent consumption is effected owing to optimized liquid system, EZ cleanser and rinse deleted. In order to match the requirements of low sample volume target customers, smaller package of reagents are supported.

Enhanced Quality

Swift speed provides you good specification

Higher throughput at 70 tests per hour, it will save clinicians more time.



Superior features ensure you higher performance

Micro sample volume at 9.0uL for whole blood mode along with capillary whole blood samples supported are perfect for pediatric samples.



BC-30s

Auto Hematology Analyzer

Technical Specifications

Principles

Impedance method for WBC, RBC and PLT counting

Cyanide free reagent for hemoglobin test

Performance

Parameter	Linearity Range	Precision (CV %)	Carryover
WBC($10^9/L$)	0-200	$\leq 3.5\%$ (4.0-6.9) $\leq 2.0\%$ (7.0-15.0)	$\leq 0.5\%$
RBC($10^{12}/L$)	0-8.00	$\leq 1.5\%$ (3.5-6.5)	$\leq 0.5\%$
HGB(g/L)	0-280	$\leq 1.5\%$ (100-180)	$\leq 0.5\%$
MCV(fL)		$\leq 1.0\%$ (70-110)	
PLT($10^9/L$)	0-4000	$\leq 5.0\%$ (100-149) $\leq 4.0\%$ (150-500)	$\leq 1.0\%$

Parameters

21 parameters: WBC, Lymph#, Mid#, Gran#, Lymph%, Mid%, Gran%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, P-LCR, P-LCC

3 histograms for WBC, RBC and PLT

Reagent

M-30D DILUENT

M-30CFL LYSE

PROBE CLEANSER

Sample Volume

Prediluted mode 20 μ L

Whole blood mode 9 μ L

Throughput

70 samples per hour

Display

10.4 inch TFT Touch Screen

Data Storage Capacity

Up to 500,000 results including numeric and graphical information

Communication

LAN Port supports HL7 protocol

Support bi-directional LIS

Interface

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

Printout

Thermal recorder, 50 mm wide paper, various printouts formats

External printer optional

Operating Environment

Temperature: 10°C~40°C

Humidity: 10%~90%

Air pressure: 70kPa~106kPa

Power Requirement

100V-240V

$\leq 300VA$

50Hz/60Hz

Dimension and Weight

Dimension: Depth(410 mm) x width(300 mm) x height(400 mm)

Weight: $\leq 20Kg$

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