

BC-30

Automatic Hematology Analyzer

MOVING TOWARDS NEXT GENERATION HEMATOLOGY ANALYZER...



- Micro sample volume at **9 μ L**, Ideal for Pediatric Samples
- Easy **Barcoded** Reagent System
- Supporting bi-directional LIS
- Storage more than **400,000** results with Histograms
- CBC+3-DIFF, **21** parameters+ **3** Histograms
- High Throughput of **60** Tests/Hour
- Prompt and Detailed Flag Information
- Fresh appearance with **10.4** inch TFT touch screen

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Automatic Hematology Analyzer



BC-30 is a new generation hematology analyzer that offers the fastest throughput amongst available models.

The Next generation technology analyzer with specially designed system reagents, consumables that provides total solutions which offers confidence to your daily work. Various advanced features help operator in an easy and efficient operations in Hematology Workflow.

Features :

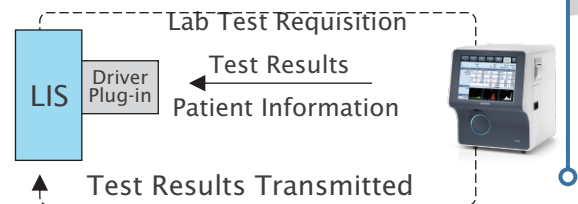


Slim

Lyse placed internally, easier to exchange and spare more space.

Smart

Support Bi - Direction LIS and HL7 protocol supported. Wifi signal recognition and USB Facility.



Superior

Expanded sample range enhances critical performance. Improved PLT linearity range for low value accuracy.

WBC	0-300 ($10^9/L$)
RBC	0-8.0 ($10^{12}/L$)
HGB	0-280 (g/L)
PLT	0-4000 ($10^9/L$)

Swift

21 Parameter +3 histograms with throughput of 60 test/hour.

60 tests per hour

Gives you confidence in Results



High quality reagents maintains high level of working, only two reagent required. Easy changing of reagent through user friendly Barcode Scanning.

Advanced software which can remove errors and do auto maintenance in just one click.



Parameter	Result	Unit	Parameter	Result	Unit	Parameter	Result	Unit	WBC Message
WBC	L 2.4	10 ⁹ /L	RBC	L 1.86	10 ¹² /L	PLT	L 38	10 ⁹ /L	Leukopenia
Lym%	L 5.7	10 ⁹ /L	HGB	L 47	g/L	MPV	H 22.6	fL	Thrombocytopenia
Mdx	R 0.3	10 ⁹ /L	HCT	L 0.193	L	PDW	H 18.5	%	Panicytopenia
Gran%	R 1.4	10 ⁹ /L	MCV	H 103.5	fL	PCT	L 0.48	%	HLCL
Lym%	0.305		MCH	H 35.8	pg	P-LCC	L 17	10 ⁹ /L	
Mdx%	0.110		MCHC	346	g/L	P-LCR	H 0.455	%	
Gran%	0.565		RDW-CV	0.157	%				RBC Message
			RDW-SD	H 60.7	fL				Anemia

Provides warning in abnormal cells by detailed flag information.

Gives Pleasant Operating



10.4 inch TFT touch

More user-friendly interface



Whole Blood Mode

Only 9.0µl needed for whole blood mode.



Pre-Diluted Blood Mode



Capillary WB sample Mode

Also shares same mode with whole blood mode

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Technical Specifications:

Principles

Impedance method for WBC, RBC and PLT counting
Cyanide free reagent for hemoglobin test

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

Sample Volume

Prediluted mode ≤20μL
Whole blood mode ≤9μL

Performance

Parameter	Linearity Range	Precision (CV%)	Carryover
WBC(10 ⁹ /L)	0-300	≤3.5% (4.0-6.9) ≤2.0% (7.0-15.0)	≤0.5%
RBC(10 ¹² /L)	0-8.00	≤1.5% (3.50-6.5)	≤0.5%
HGB(g/L)	0-280	≤1.5% (100-180)	≤0.5%
MCV(fL)		≤0.5% (70.0-110.0)	≤0.5%
PLT(10 ⁹ /L)	0-4000	≤5.0% (100-149) ≤4.0% (150-500)	≤1.0%

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 400,000 results including numeric and graphical information

Communication

LAN Port supports HL7 protocol
Support bi-directional LIS

Interface

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

Printout

Thermal recorder, 50 mm wide paper, various printout formats External printer optional

Operating Environment

Temperature: 15°C~35°C

Humidity: 10%~90%

Air pressure: 70kPa~106kPa

Power Requirement

(100V-240V)±10%

≤180VA

(50Hz/60Hz)±1Hz

Dimension and Weight

Dimension: Depth (410 mm) x width (300 mm) x height (400 mm) Weight: ≤20Kg



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