

# BC-30

## Automatic Hematology Analyzer

MOVING TOWARDS NEXT GENERATION HEMATOLOGY ANALYZER...



- Micro sample volume at **9  $\mu$ 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

# BC-30

## 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 :

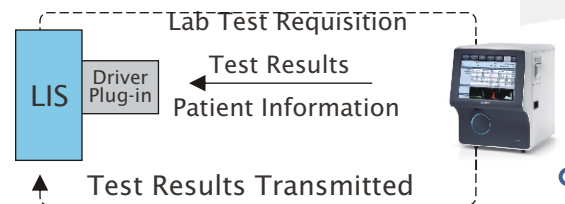


#### **Slim**

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

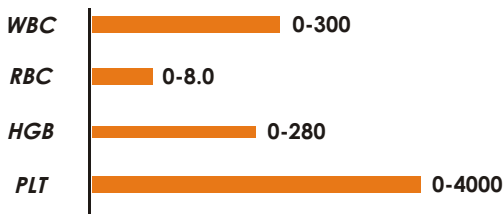
#### **Smart**

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



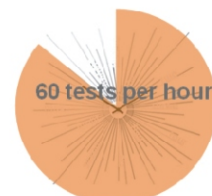
#### **Superior**

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



#### **Swift**

21 Parameter +3 histograms with throughput of 60 test/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	WBC Message
WBC	L 2.4	10 <sup>9</sup> /L	RBC	L 3.86	10 <sup>12</sup> /L	Leukocytosis
LymF	L 0.7	10 <sup>9</sup> /L	HGB	L 67	g/L	Lymph decreased
MidF	H 0.3	10 <sup>9</sup> /L	HCT	L 0.193		Paraprotein
GranF	H 2.4	10 <sup>9</sup> /L	MCV	H 23.5	fL	
Lym%	H 0.305		MCH	H 35.8	pg	
Mid%	H 0.130		MCHC	346	g/L	P-LCR H 0.455
Gran%	H 0.565		RDW-CV	0.157		
			RDW-SD	H 68.7	fL	

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

# BC-30

## Automatic Hematology Analyzer

### 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  $\leq 20\mu\text{L}$   
Whole blood mode  $\leq 9\mu\text{L}$

#### Performance

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

#### 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

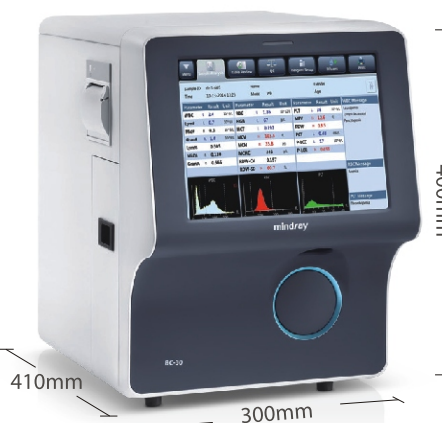
Temperature:  $15^{\circ}\text{C}\sim 35^{\circ}\text{C}$   
Humidity: 10%~90%  
Air pressure: 70kPa~106kPa

#### Power Requirement

(100V-240V) $\pm 10\%$   
 $\leq 180\text{VA}$   
(50Hz/60Hz) $\pm 1\text{Hz}$

#### Dimension and Weight

Dimension: Depth (410 mm) x width (300 mm) x height (400 mm)  
Weight:  $\leq 20\text{kg}$



Exclusively Marketed in India by:

**VECTOR BIOTEK PVT. LTD.**

Factory & Registered Office:  
425, NEW GIDC, KABILPORE, NAVSARI - 396 424. (GUJ.) INDIA  
Toll free: 1800-270-1027 | Tel : +91-93757 94103 | Fax: +91-2637-265105  
E-mail : vector.support@beaconindia.com | Web: www.vectorbiotekindia.com  
CIN No. U33112GJ2002PTC040978