

# SB 21

Fully Automatic Hematology Analyzer



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## Fully Automatic Hematology Analyzer

### \* Test Principle

Electrical Resistance for counting & SFT method for HGB

### \* Accurate and reliable results

Using digital filtering, blood cells overlap calibration, fitting curve, floating landmark technology,

### \* Perfect quality control function

L-J, X-B two types of quality control mode with auto draw & print QC figures, 9 QC Files.

### \* Easy maintenance

1. Hypertension calcined and dual way high pressure cleaning, effectively avoid aperture blocking.
2. Electro hydraulic separation structure design.
3. Alarm in case any reagent is empty or any error like clog or bubble. Auto wiping/cleaning of sample needle.
4. Specific boot program, it can clean and maintain the liquid tube system automatically, which keeps the clean tube system.

### \* Large storage

 Store upto 30,000 results with histogram

### \* Cyanide free environmental reagent

Using cyanide free environmental haemolytic reagent to test HGB, which is safe and environmental

### \* Easy operation

Using touch screen input method with 640\*480 LCD displays all parameters and histograms. It provides automatic sample sipping, mixing, testing and cleaning.

### \* Flagging for abnormal test results.

### \* Test Parameters: 23 parameters with 3 Part WBC Differentiation

WBC	HGB	LYM#	LYM%
MID#	MID%	GRAN#	GRAN%
RBC	HCT	MCV	MCH
MCHC	RDW-SD	RDW-CV	PLT
MPV	PDW	PCT	P-LCR

WBC histogram, RBC histogram, PLT histogram

**Calibration:** manual calibration, auto calibration

**Carryover:** WBC, RBC, HGB<0.5%, PLT<2%

**Aperture diameter:** WBC, HGB- 100 µm, PLT, RBC- 70µm

**Sample consumption:** Whole blood 10µl, prediluted 20µl

**Counting mode:** Whole blood and prediluted

**Operating Mode:** SB 21: Single Counting Pathway

SB 22: Double Counting Pathway

**Throughput:** SB 21: 35 samples/hr, SB 22: 60 samples/hr

**Display:** 640\*480 resolution, 160\*120mm Color LCD display

**Voltage:** 100-240V AC 50/60Hz

**Power:** 200W

**Printer:** Inbuilt thermal printer and external printer (Optional)

**Data Output:** 2 RS-232 serial port, 2USB port, 1 VGA interface

**Working Conditions:** Temperature 0°C-40°C, relative humidity >85%

**Dimensions:** 430\*350\*290mm (LXWXH)

**Weight:** 17Kg

Technical Specification are subjected to change without prior notice



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