

Throughput

60 samples/hour

Principle

Impedance for WBC, RBC, PLT
Cyanide-free method for HGB

Parameters

24 parameters including: WBC, Neu#, Lym#, Mid#, Neu%, Lym%, Mid%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, MPV, PDW-SD, PDW-CV, PCT, P-LCR, P-LCC
NLR, PLR

Histograms

3 histograms (WBC, RBC, PLT)

Sample volume

Whole blood mode: 9 μ l
Capillary mode: 9 μ l
Prediluted mode: 20 μ l

Calibration

Manual calibration, auto calibration,
fresh blood calibration

Quality control

3-level QC
L-J QC, X-B QC

Reagent

Diluent: 20L, Lyse: 500ml
Probe cleanser: 50ml

Print

Auto print, manual print

Communication

Support Bi-directional LIS

Language

English, Spanish, Italian, French, Russian,
Portuguese, Ukrainian, etc.

Input and output

10.4 inch touch screen
Internal printer, support external printer

Interface

USB port, Network port

Storage

500,000 results with histograms

Blockage clear

High voltage, high pressure flush

Dimension

430mm*280mm*400mm(D*W*H)

Net weight

17.5kg

Work environment

10-40°C, 10%-90%
100-240 AC, 50/60Hz, 160VA
70kPa-106.0kPa

Performance

	Parameter	CV	Measurement range
Precision	WBC	$\leq 2.0\%$	$(3.5-15.0) \times 10^9/L$
	RBC	$\leq 1.9\%$	$(3.5-6.0) \times 10^{12}/L$
	HGB	$\leq 1.9\%$	$(110.0-180.0)g/L$
	MCV	$\leq 1.0\%$	$(80.0-110.0)fL$
	PLT	$\leq 4.0\%$	$(150.0-500.0) \times 10^9/L$

	Parameter	Measurement range
Linearity	WBC	$(0-200.0) \times 10^9/L$
	RBC	$(0-8.00) \times 10^{12}/L$
	HGB	$(0.0-250.0)g/L$
	PLT	$(0-5000) \times 10^9/L$

SB 22⁺US

Auto Hematology Analyzer



3-PART HEMATOLOGY ANALYZER



Real-time monitoring



Editable report



Color printing

SB 22⁺US

Auto Hematology Analyzer

Smart

Smart counting mode
For low WBC, PLT, or WBC/PLT samples
Better linearity for WBC and PLT

Delicate

Smaller and lighter design
10-4 inch touch screen
Reagent room for Lyse
Built-in and external printer

Unique

Built-in card reader
Lyse and diluent closed
Unique card for each bottle

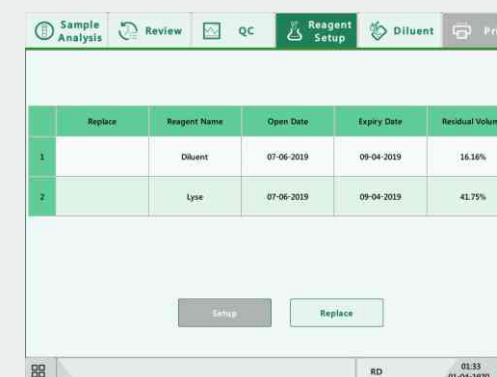
Convenient

Highlighted indicator light
Bi-directional LIS connection
Software update by USB drive



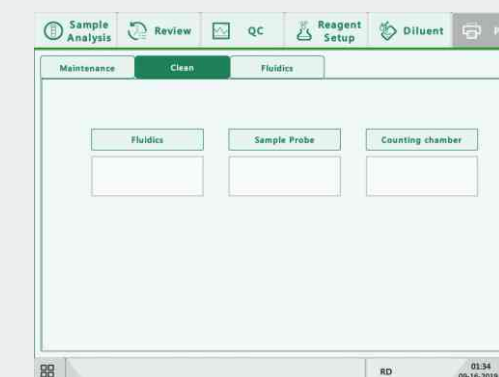
Powerful data management

Up to 500,000 results
Flag information for better diagnostics
Data export and QC file import by USB drive



Real-time monitoring

Reagent status (expiry date, residual, etc.)
Unit status (voltage, pressure, etc.)
Test number (amount in different modes)



Smart maintenance

Hardware self-checking
Multiple maintenance functions
Smart prompt and one-touch to remove error