

BC-2300

Hematology Analyzer

Technical Specifications:

Parameters
WBC, Lymph#, Mid#, Gran#, Lymph%, Mid%, Gran%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT and Histograms for WBC, RBC, PLT

Principles
Electrical impedance method for cell counting and cyanide free method for hemoglobin

Parameter	Linearity	Precision(CV%)
WBC($10^9/L$)	0.0~100.0	3.0 (7.0~15.0)
RBC($10^{12}/L$)	0.00~9.99	3.0 (3.00~6.50)
HGB(g/L)	0~300	2.0 (100~180)
MCV(fL)		1.0 (70.0~110.0)
PLT($10^9/L$)	0~1000	5.0 (200~500)

Sample Volume	
Prediluted	20 μ L
Whole blood	20 μ L

Aperture Diameter	
WBC/RBC	80 μ m

Throughput
30 samples per hour

Display
Color LCD display
Resolution: 800 x 600

Menu
Count, Review, Quality Control, Setup, Service, Calibration, Shutdown

Carryover
WBC < 1.5%; RBC, HGB < 1.0%; PLT < 2.0%

Input/Output
RS 232 x 2, 1 parallel printer (optional), 1 keyboard interface

Printout
Thermal recorder, printer 50 mm wide paper, multiple printout formats, external printer (optional)

Operating Environment
Temperature 15°C~30°C
Humidity 30%~85%

Power Requirement
AC 100-240V, 50/60Hz

Dimensions
324 mm (W) x 437 mm (H) x 395 mm (D)

Weight
Less than 23 Kg



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- Compact sized and cost effective
- 3-part differentiation of WBC, 19 parameters + 3 histograms
- 2 counting modes: Whole blood and prediluted
- Throughput: 30 samples per hour
- Automatic clog removal and recount function
- Up to 20,000 patient results (including histograms) can be stored
- Built in dilluter and thermal recorder
- Color LCD display

Low Cost and Affordable

Probably one of the most cost effective
hematology analyzer in this range
worldwide with only 2 kinds of
routine reagents



Flexible and Easy To Use

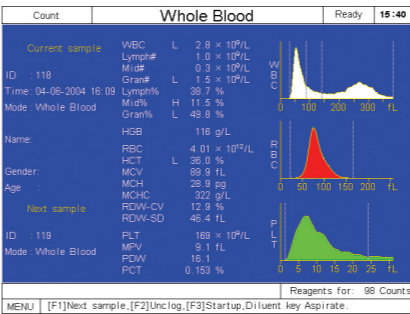
User friendly interface such as Reagent
status indication, Real time help.
enjoying the pleasure of troubleless workflow

High Accuracy and reliability

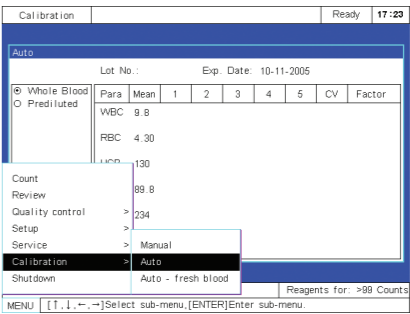
Many state-of-art technologies
such as Intelligent float landmarks for
histograms & Discriminator Shift for PLT

Comprehensive Software Functions

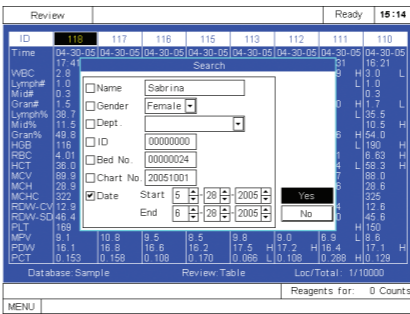
A small analyzer with high end software
only found in sophisticated instruments,
providing greatest comfort to professionals



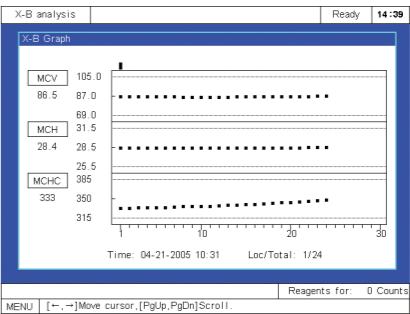
Large Color LCD display, 19 parameters
and 3 histograms (visualized and printed)



Automatic calibration programm



Comprehensive patient data search
function



Comprehensive QC programs including
L-J and X-B analysis; Up to 9 controls lots-31
runs/file