

ERVIN DANESH AZMA



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BC-3000Plus

Auto Hematology Analyzer



اروین دانش آزما
Ervin Danesh Azma

BC-3000Plus

Auto Hematology Analyzer

Quality assurance from the world's foremost manufacturer of 3 part differential hematology analyzers



- 3-part differentiation of WBC ; 19parameters + 3histograms
- 2 countingmodes : whole blood and prediluted
- Throughput : 60 samples per hour
- Automatic diluting , lyzing , mixing , rinsing and unclogging
- Automatically cleaning sampling probe
- Up to 35000 sample results (including histograms) can be stored
- Built-in thermal recorder, optional external printer
- Bar code scanner optional
- Large color LCD display



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Auto Hematology Analyzer

Technical Specifications:

Parameters

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

Principles

Electrical impedance method for counting and cyanide free method for hemoglobin

Performance

Parameter	Linearity Range	Precision (CV %)
WBC (10^9 / L)	0.3-99.9	2.5 (7.0-15.0)
RBC (10^{12} / L)	0.20 – 8.00	2 (3.50 -6 .00)
HGB (g / L)	10-250	1.5 (110 -180)
MCV(fL)		0.5 (80.0-11 0.0)
PLT (10^9 / L)	10-999	5 (150-500)

Sample Volume

Prediluted 20 μ L
Whole blood 13 μ L

Aperture Diameter

WBC 100 μ m
RBC / PLT 70 μ m

Dilution Ratios

	Whole Blood	Capillary Blood
WBC / HGB	1 : 308	1 : 428
RBC / PLT	1:44872	1:43355

Throughput

60 samples per hour

Display

Large color LCD display Resolution : 800 x 600

Alarms

41 error messages

Carryover

WBC, RBC, HGB \leq 0.5%, PLT \leq 1 %

Input output

RS232 x 2, 1 parallel printer (optional), 1 bar code scanner (optional)
1 keyboard interface

Printout

Thermal recorder, 50 mm wide paper, multitude of printout formats, printer optional

Operating Environment

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

Power Requirement

AC 100-240V, 50/60Hz

Dimension

390 (W) x 460 (H) x 400 (D)

Weight

21 Kg

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