

E R V I N D A N E S H A Z M A



ERVIN DANESHAZMA



BC-3000Plus

Auto Hematology Analyzer



اروین دانش آزمایشگاه
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



خدمات خوب یک اتفاق نیست

Ervin Danesh Azma

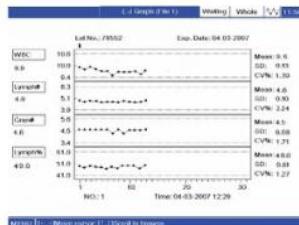
Safe and Easy To Use

- Press one button and the result will be ready in a minute
 - User friendly interface makes for ease of use
 - Original cyanide free reagents ensure safe , Biohazard free operation



Economical

- Low sampling volume : 13ul whole blood per test
 - Auto cleaning system minimizes maintenance requirement



High Reliability and Accuracy

- Comprehensive QC programs including L-J, \bar{X} , \bar{X} -Rand X-Banalyses
 - Fully automatic calibration
 - Unique fresh-blood calibration program



Powerful Customized Software Design

- Huge storage of 35 , 000 patient results with histograms
 - Convenient patient data review modes
 - Programmable print formats

✓ خدمات خوب یک اتفاق نیست

اروین دانش ازما - Ervin Danesh Azma

BC-3000Plus

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

Paramter	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 µL
Whole blood 13 µL

Aperture Diameter

WBC 100 µm
RBC / PLT 70 µm

Oilution 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 ≤ 0.5% , PLT ≤ 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

2 1 Kg

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