

BC-3200

Auto 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

Performance

Parameter	Linearity Range	Precision (CV %)
WBC (10 ⁹ / L)	0.0 -100.0	2.5 (7.0~15.0)
RBC (10 ¹² / L)	0.00 - 9.99	2.0 (3.5~6.5)
HGB (g / L)	0 - 300	1.5 (100-180)
MCV(fL)		0.5 (80.0~110.0)
PLT (10 ⁹ / L)	0 - 1000	4 (150~500)

Carryover

WBC, RBC, HGB < 0.5 % , PLT < 1 %

Sample Volume

Prediluted 20 µL
Whole Blood 13 µL

Tube holder

Tube holder provides 4 positions for tubes φ13×75mm, φ12×75mm, φ11×40mm

Aperture Diameter

WBC 100 µm
RBC/PLT 70 µm

ThroughPut

60 samples per hour

Display

Large Color LCD display
Resolution : 800 x 600

Alerts

45 sets of alert messages

Menu

Count , Sample Mode , Review , Quality Control , Setup, Service , Calibration, Help , Shutdown

Input/Output

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

Printout

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

Operating Environment

Temperature:15°C-35°C
Humidity : 30 % ~85 %

Power Requirement

AC 100-240V, 50 / 60Hz

Dimensions

457 mm (H) x 391 mm (W) x 415 mm (D)

Weight

25 Kg



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BC-3200
Auto Hematology Analyzer



- 3-part differentiation of WBC ; 19parameters + 3histograms
- Closed tube sampling
- Sampling with 4 position tube holder for various tubes
- Micro sampling of 13 µL for whole blood
- 2 counting mode: whole blood and prediluted
- Up to 60 samples per hour
- Large color LCD display
- Data storage of 35 , 000 samples with histogram

Flexible and Easy To Use

- Fully automatic analysis cycle
- User friendly interface makes for ease of use
- Intelligent alarm to avoid wrong tube
- Automatic internal and external needle cleaning



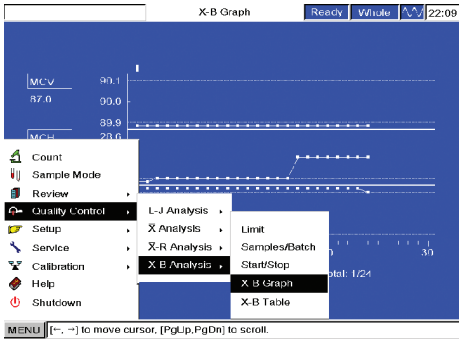
High Reliability and Safety

- Sampling on closed tube to avoid biohazard
- Automatic protection when chamber door is open
- Cyanide-free reagent to protect environment
- Reagent sensors for real time monitoring



Total Solution for QC and Calibration

- Comprehensive QC programs including L - J , $\bar{X}$, $\bar{X}$ -R and X-B analysis
- Up to 9 QC file-31 runs / file
- Fully automatic calibration,
- Unique calibration program with fresh blood
- Original Quality control, Calibrator



Sample Table Review										Ready Whole		10:32	
ID	75	77	78	84	95	108							
Time	04-06-04	04-06-04	04-06-04	04-06-04	04-06-04	04-06-04							
Search													
WBC	10.1	10.9	10.6	10.2	10.2	14.4							
Lymph#	3.1	3.1	3.1	3.1	3.1	3.1							
Mid#	0	0	0	0	0	0							
Gran#	2	2	2	2	2	2							
Lymph%	2	2	2	2	2	2							
Mid%	4	4	4	4	4	4							
Gran%	7	7	7	7	7	7							
HGB	1	1	1	1	1	1							
RBC	5	5	5	5	5	5							
HCT	5	5	5	5	5	5							
MCV	8.2	8.2	8.2	8.2	8.2	8.0							
MCH	2	2	2	2	2	2							
MCHC	3	3	3	3	3	3							
RDW-CV	1	1	1	1	1	1							
RDW-SD	4	4	4	4	4	4							
PLT	101	109	106	102	102	144							
MPV	8.2	8.2	11.6	8.2	8.4	8.0							
PDW	16.4	16.4	16.5	17.5	16.7	16.7							
PCT	0.123	0.150	0.121	0.157	0.152	0.115							
1Goto 2Find 3Select 4Transmit 5Delete All F1Search Location/Total: 1/34997													
MENU													

Powerful Customizable Software Design

- Huge storage of 35 , 000 patient results with histogram
- Convenient patient data review
- Customized reference range, Customized parameter units
- Programmable multi-format printout
- Fully automatic daily maintenance program