

# NDRAY

# BC-3200 Auto Hematology Analyzer



## Closed Tube Sampling Technology



## BC-3200 Auto Hematology Analyzer



- Closed tube sampling
- Sampling with 4 position tube holder
- Micro sampling of 13µl
- 3-part differential, 19 parameters +3 histograms
- Up to 60 samples per hour
- Large color LCD display
- Data storage of 35,000 samples with histogram

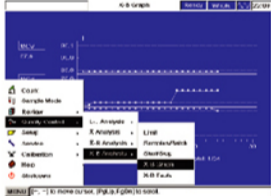
### Flexible and Easy To Use

- Fully automatic analysis cycle
- 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



### Total Solution for QC and Calibration

- Comprehensive QC programs including L-J, X-R and X-B analysis
- Up to 9 QC file - 31 runs/file
- Fully automatic calibration
- Unique calibration program with fresh blood



### Powerful Customizable Software Design

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

## 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 Histogram for WBC, RBC, PLT

#### Principles

Electrical resistance for counting and SFT 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 (3.5-6.0)
HGB(g/L)	10-250	1.5 (110-180)
MCV(fL)		0.5 (80.0-110.0)
PLT( $10^9/L$ )	10-999	5 (150-500)

#### Sample Volume

Prediluted 20µl  
Whole Blood 13µl

#### Sample processing

On closed tube with 4 position tube holder (QC, 1.5mL, 3mL, 5 mL)

#### Aperture Diameter

WBC 100µm  
RBC/PLT 70µm

#### Dilution Ratios

WBC Whole blood Capillary Blood  
1:308 1:546  
RBC/PLT 1:44872 1:45827

#### Throughput

60 samples per hour

#### Display

Large Color LCD display  
Resolution: 800x600

#### Alerts

45 sets of alert message

#### Menu

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

#### Carryover

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

#### Input/Output

RS232x2, 1 Parallel printer(optional), 1 bar code scanner(optional), 1 keyboard interface

#### Printout

Thermal recorder, 50mm wide paper, various printout formats, printer optional

#### Operating Environment

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

#### Power Requirement

100-240V~50/60Hz

#### Dimension

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

#### Weight

25Kg



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