

BC-6000

Auto Hematology Analyzer

Principles

SF Cube* method to count WBC, 5-Part diff and NRBC
DC impedance method for RBC and PLT
Cyanide free reagent for hemoglobin test
*S: Scatter; F: Fluorescence; Cube: 3D analysis

Parameters

29 Reportable parameters (whole blood): WBC, Lym%, Mon%, Neu%, Bas%, Eos%, IMG%, Lym#, Mon#, Neu#, Eos#, Bas#, IMG#; RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, NRBC#, NRBC%; PLT, MPV, PDW, PCT, P-LCR, P-LCC
20 Research parameters (whole blood): HFC#, HFC%, WBC-D, TNC-D, IME%, IME#, H-NR%, L-NR%, NLR, PLR, WBC-N, TNC-N, InR#, InR%, Micro#, Micro%, Macro#, Macro%, PDW-SD, PLT-I
7 Reportable parameters (body fluid): WBC-BF, TC-BF#, MN#, MN%, PMN#, PMN%, RBC-BF
11 Research parameters (body fluid): Eos-BF#, Eos-BF%, Neu-BF#, Neu-BF%, HF-BF#, HF-BF%, RBC-BF, LY-BF#, LY-BF%, MO-BF#, MO-BF%

2 Histograms for RBC and PLT
2 Three-dimension scatter grams: DIFF, WNB
2 Two-dimension scatter grams: DIFF, WNB

Mode

CBC, CBC+DIFF

Data storage capacity

Up to 10,000 results including numeric and graphical information

Operating environment

Temperature: 15℃~32℃
Humidity: 30%~85%

Performance

Parameter	Linearity Range	Precision	Carryover
WBC	0-500×10 ⁹ /L	≤2.5% (≥4×10 ⁹ /L)	≤1.0%
RBC	0-8.60×10 ¹² /L	≤1.5% (≥3.5×10 ¹² /L)	≤1.0%
HGB	0-260g/L	≤1.0% (110-180g/L)	≤1.0%
HCT	0-75%	≤1.5% (30%-50%)	≤1.0%
PLT	0-5000×10 ⁹ /L	≤4.0% (≥100×10 ⁹ /L)	≤1.0%

Sample volume

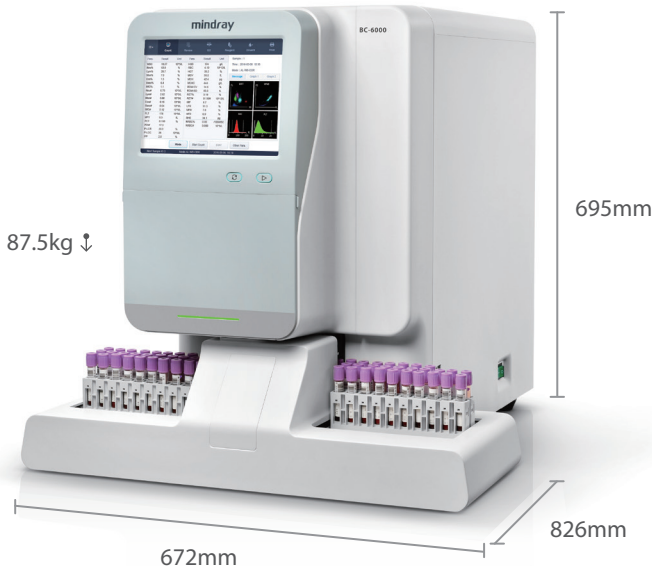
Whole blood (Autoloader, Closed Tube)	80uL
Capillary blood (Closed Tube)	35uL
Predilute (Closed Tube)	20uL
Body fluid (Closed Tube)	85uL

Throughput

Up to 110 samples per hour (CBC+DIFF)
Up to 40 samples per hour (Body fluid)

Loading capacity

Up to 50 sample tubes



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High Performance for ALL

