

BC-5390CRP Auto Hematology Analyzer



Features:

- 5-part differentiation + CRP
- 32 parameters, 1 scattergram and 3 histograms
- Support CRP test mode individually
- Semi-conductor Laser scatter + Chemical dye method + Advanced flow cytometry + Latex immunoturbidimetric method
- Monitor the CRP response curves in real time to preserve the accuracy of the results
- Only 20 μ l sampling volume for CBC+DIFF
- 40 tubes autolader with random access
- Closed tube for STAT samples
- Up to 60 samples per hour
- Support whole blood mode for capillary sample
- Capability to flag abnormal samples
- Large storage capacity: up to 40,000 samples
- Thermostat storage and RFID technology for latex reagent
- Support bi-directional LIS

Technical Specifications:

Principles

- Impedance method for RBC and PLT counting
- Cyanide free reagent for hemoglobin test
- Flow Cytometry (FCM) + Laser scatter + Chemical dye method for WBC differential
- Latex Immunoturbidimetric Method for CRP test

Parameters

- 26 reportable parameters: WBC, Lym%, Mon%, Neu%, Bas%, Eos%, Lym#, Mon#, Neu#, Eos#, Bas#, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, P-LCC, P-LCR, FR-CRP
- 6 research parameters: ALY#, ALY%, LIC#, LIC%, NRBC%, NRBC#
- 3 histograms for WBC, RBC and PLT
- 1 scattergram: Differential scattergram

Sample mode

Venous whole blood mode
 Capillary whole blood mode
 Prediluted mode

Sample Volume

CBC mode	20 μL
CBC + DIFF mode	20 μL
CBC + DIFF + CRP mode	35 μL
CRP mode	20 μL
Prediluted mode	20 μL

Performance

	Carryover	Precision	Linearity
WBC	≤0.5%	≤2.0% (4-15 × 10 ⁹ /L)	0.00-400.00 × 10 ⁹ /L
RBC	≤0.5%	≤1.5% (3.5-6.0 × 10 ¹² /L)	0.00-8.00 × 10 ¹² /L
HGB	≤0.6%	≤1.5% (110-180g/L)	0-250g/L
PLT	≤1.0%	≤4.0% (150-500 × 10 ⁹ /L)	0-5000 × 10 ⁹ /L
FR-CRP	≤1.0%	SD ≤0.50mg/L (≤10mg/L) CV ≤4% (>10mg/L)	0.2-320mg/L

Throughput

60 samples per hour

Data Storage Capacity

Up to 40,000 results including numeric and graphical information

Reagents

M-53D Diluent

M-5 LEO (I) Lyse

M-5 LEO (II) Lyse

M-53LH Lyse

LC Lyse

C-reactive Protein(CRP) Kit(Latex Immunoturbidimetric Method)

Probe Cleanser

Communication

LAN Port supports HL7 protocol

Support bi-directional LIS

Operating Environment

Ambient temperature: 15°C - 30°C

Relative humidity: 30% - 85%

Atmospheric pressure: 70kPa - 106kPa

Power requirement

Voltage: 100V-240V

Frequency: 50Hz/60Hz

Dimension and Weight

Width × Height × Depth: 570mm × 560mm × 700mm

Weight: 65kg