

Hematology Analyzer

Feature:

- 3-part differentiation of WBC, 23 parameters, up to 35 samples test per hour
- Electrical resistance for counting and SFT method of Hemoglobin
- Low sample consumption: venous 9.8 μ l, prediluted 20 μ l for twice testing one time
- 8.4" color TFT, Windows interface all testing parameter displayed simultaneously
- Windows operation system graphical buttons mouse and keyboard operation
- Automatic diluting, Mixing, rinsing and clog clearing
- Automatically sample probe cleaning (inside and outside)
- Large storage capacity: up to 10,000 samples +3 histograms
- Internal thermal-sensitive printer or external printer.
- RS232 interface, PC connecting

Specification:

- Main Technical Specifications:
- Methodology: Electrical resistance for counting, hemoglobincyanide method and SFT method for hemoglobin
- Parameter: 3-part differentiation of WBC; 20 parameters and 3 color histograms (WBC, RBC, PLT)
- Work mode: Single Channel + unique Hemoglobin test system
- Sample volume: 9.8 μ l for Venous and capillary mode, 20 μ l for prediluted mode
- Throughput: More than 35 samples per hour, operable 24 hours a day, auto sleeping and waking-up functions
- Storage: up to 100000 sample results including histograms can be stored, convenient for inquiry and management of history data
- Operation language: English
- QC control: X-B, L-J, X, SD, CV %
- Reference Value Setting: Male, Female, Children, Neonate
- Input/output: RS232, parallel printer and keyboard
- Print: Graphic thermal printer with various printing format, optional external printer
- Temperature: 18°C - 30°C, wet $\leq$ 10-90%
- Power supply: 220 V $\pm$ 22 VAC, 50 $\pm$ 1Hz
- Dimension: 33 CM (L) * 38 CM (W) * 43 CM (H)
- Weight: 20 KG

Parameters:

WBC, Lymph#, Mid#, Gran#, Lymph%, Mid%, Gran%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, L-PCR
3 - histograms: WBC, RBC and PLT

Precision:

Parameters	linear range	CV %
WBC (10^9 / L)	0.0 - 99.9	$\leq$ 2%
RBC (10^{12} / L)	0.0 - 9.99	$\leq$ 1.5%
MCV (fL)	40-150	$\leq$ 0.5%
PLT (10^9 / L)	0-999	$\leq$ 4.0%
HGB(g/L)	0.0-300.0	$\leq$ 1.5%



Hematology Analyzer

- 3-part differentiation of WBC, 23 parameters, single channel counter
- Volume measurement by time, not wrong warning
- Advanced valve technology, long life
- RS232 interface, PC connecting

