



About Us


GCMED CORP. is a licensed and duly registered Corporation engaged in the marketing and distribution of highly technical medical products. It is wholly owned Filipino Distributing Corporation whose vision is to provide affordable and quality products and supply that would certainly be of assistance to the pharmaceutical needs of the nation and also engage in diagnostic laboratory equipment.

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 GCMED

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FULLY-AUTOMATED HEMATOLOGY ANALYZER WITH AUTOLOADER

GH580



GH580

Fully-Automated Hematology Analyzer with Auto-loader

5-part differential automated hematology analyzer designed for clinical laboratories, combining several advanced measurement technologies for a full complete blood count (CBC) with differential.

Features

- Fast sample processing up to 90tests per hour
- 5-part differentiation, 1 (3D scattergram), 3 (2D scattergrams) and 3 histograms (RBC, WBC, PLT).
- Large storage capacity: up to 100,000 samples
- Communication: LAN port supports HL7 protocol



Specifications

Principles	Electrical Impedance method for WBC/BAS count and RBC/PLT tests Cyanide free colorimetry for HGB test Laser-based flow cytometry for WBC differentiation	Sample volume	20µL
Parameters	25 reportable parameters: WBC, Neu#, Lym#, Mon#, Eos#, Bas#, Neu%, Lym%, Mon%, Eos%, Bas%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, MPV, PDW, PCT, P-LCR, P-LCC 4 research parameters: ALY#, ALY%, LIC#, LIC% 3 histograms for WBC, RBC and PLT One 3D scattergram and three 2D scattergrams for WBC differentiation	Linearity range	WBC: 0.00-300×10 ⁹ /L RBC: 0.00- 8.5× 10 ¹² /L HGB: 0- 250g/L PLT: 0- 3000× 10 ⁹ /L HCT: 0~67%
		Repeatability	WBC≤2.0%(4.0-15.0×10 ⁹ /L) RBC≤1.5%(3.5-6.0×10 ¹² /L) HGB≤1.5%(110-180g/L) MCV≤1%(70-120fL) PLT≤6.0%(100-149×10 ⁹ /L) ≤4.0%(150-500×10 ⁹ /L)
		Communication	LAN port supports HL7 protocol Support bi-directional LIS
Printout	External printer, compatible with multiply laser / inkjet printers, compatible with various formats and user-defined formats	Sample mode	Whole blood, capillary whole blood and pre-diluted modes
		Power requirement	100V-240V, 50/60Hz, ≤200VA
Throughput	Up to 90 tests per hour	Dimension	650mm(W)*550mm(H)*610mm(D)
Storage	Up to 100,000 records	Net weight	57.5kg

Loading up to 60 samples simultaneously and supporting continuous samples loading

Up to 90 tests per hour, auto sample mixing

Multiply sample modes: whole blood, capillary whole blood and pre-diluted modes

Closed and open vial modes, emergency mode available

3D scattergram for accurate differentiation and pathological sample flag

