



**MEDPA
BIOTECHNOLOGY**

MH-6100 HEMATOLOGY ANALYZER



Hemacell
Diagnostic Cihaz & Kit



GENERAL FEATURES

PE-6100 Hematology Analyzer is a 3-part differential of WBC blood cell counter. It is advantaged at digital technology, auto-relocation separatrix, intelligent flush clog, dual measuring technology (within time and volume) to ensure precise of the test results.

⌚ Automated & User-friendly Interface

- > Auto sampler
- > 8 inch LCD display
- > Real-time alert for the abnormal results
- > USB keyboard & mouse operation, touch-screen optional
- > Based on Linux
- > Easy to search and edit patient information
- > Storage capacity: 50,000 sample results include histograms
- > Optional printout for formats
- > Real-time guideline for easy operation

⌚ Accurate Results & Low Sample Consumption

- > Accurate analysis technology with low sample consumption
- > Venous mode: 9.6μl
- > Pre-diluted mode: 20μl
- > Capillary mode: 9.6μl

⌚ Easy Maintenance & Environment-friendly System

- > Adjustable sample probe for various cuvettes
- > With liquid sensor to alarm low reagent
- > Cyanide-free Lyse
- > Automated & Systematic diagnosis and maintenance with alerts
- > Liquid tubing and electronic circuit separately for easy maintenance
- > Closed reagent tubing to avoid contamination

⌚ Perfect QC System

- > Calibration mode: manual and auto
- > QC mode: L-J histogram

SPECIFICATIONS

Principle: Electrical resistance for counting, hemoglobin-cyanide method and SFT method for hemoglobin

Parameters: WBC, LYM#, MID#, GRAN#, LYM%, MID%, GRAN%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, MPV, PDW, PCT, P-LCR and 3 color histograms (WBC/RBC/PLT)

Sample Consumption: Venous Mode: 9.6μL, Capillary Mode: 9.6μL, Pre-diluted Mode: 20μL.

Working Mode: Double chamber counting detection + independent HGB measurement system; 24 hours with auto standby.

Operation Mode: Keyboard and mouse, Based on Linux, Multi-language supported.

Throughput: ≥60 samples/hour

Storage: 50,000 sample results include of histograms

QC mode: L-J

Cross Contamination Ratio: WBC/RBC/HGB < 0.5%, PLT < 1%

Performance:

Parameter Repeatability (CV %)

Linear Range

0.00-99.9 × 10 ⁹ /L	WBC	≤2.5%
0.00-9.99 × 10 ¹² /L	RBC	≤2.0%
0-300g/L	HGB	≤1.5%
40-150fL	MCV	≤0.4%
0-999 × 10 ⁹ /L	PLT	≤5.0%

Display: 10.4" LCD

Reference Value: Baby, Kid, Woman, Man, Normal and Customization

Interface: 4 × USB, 1 × Ethernet, 1 × VGA (for external monitor)

Printer: Built-in thermal recorder, optional external printer, eight report formats

Environment Requirement: Temperature: 15°C ~35°C; Humidity: 10%-90%

Power supply: AC100-240V 50/60Hz

