

MH22

Fully Automated Hematology Analyzer

General Features
 Throughput: Double Chamber (60 sec per test)
 8-inch touch screen
 20 parameters + 3 histograms
 Sample volume: 10 µL
 2 reagents only
 3 counting modes
 100,000 sample results
 Support LIS and external printer
 Net weight: 18 kg
 CE marked

Technical Specifications

Principle

Impedance for cell counting
 Cyanide-free method for HGB

Parameters

WBC, Neut#, Lym#, Mid#, Neu#, Lym%, Mid%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, MPV, PDW, PCT, P-LCR

Histograms

WBC, RBC, PLT histogram

Languages

English, Spanish, Italian, Portuguese, etc.

Calibration

Manual and Auto-calibration

Quality control

3 level QC, LJ graph

Sample volume

Venous mode: 10µL venous blood
 Capillary mode: 10µL capillary blood
 Prediluted mode: 20µL capillary blood

Display

8-inch color touch screen
 Liquid Crystal Display (LCD)
 Resolution: 800* 600

Interface

USB port, RS 232

Aperture Diameter

WBC, HGB: 100 µm, PLT, RBC: 70µm

Printout

Thermal printer, support external printer

Temperature

18°-35°

Power

AC 100-240V, 50/60±1Hz

Dimension

420mm × 295 mm × 430 mm

Storage

100,000 sample results with histograms

Reagent

Lyse(500mL) and Diluent(20L)

Operating Mode

Double Chamber

Performance

Precision

Parameters	Precision (CV)
WBC	≤ 2.0% (7.0 - 15.0 × 10 ⁹) × L ⁻¹
RBC	≤ 1.5% (3.5 - 6.0 × 10 ¹²) × L ⁻¹
HGB	≤ 1.5% (110.0 - 180.0) × L ⁻¹
MCV	± 0.4% (90.0 - 110.0) fL
PLT	≤ 4.0% (100.0 - 500.0 × 10 ⁹) × L ⁻¹

Measurement range

Parameters	Measurement range
WBC	(0-99.9 × 10 ⁹) × L ⁻¹
RBC	(0-9.99 × 10 ¹²) × L ⁻¹
HGB	(0-300.0) × L ⁻¹
PLT	(0-999 × 10 ⁹) × L ⁻¹



Auto calibration



Intelligent hardware diagnosis



Easy maintenance menu

User-Friendly Software

- Well-organized software allow user to interact with the instrument easily, easy to run QC ,sample and check results,etc.

Reliable Software

- Liquid System and circuit board isolation design for less break down, continuous improving hardware to make the instrument more reliable for customer need.

Intelligent Design

- One press for sample analysis with in 60 sec per test.
- High voltage shock and back flush to remove blockage, auto and manual print is support.

MediRay
 Committed to customer
 Committed to future...



MH22
 Fully Automated Hematology Analyzer

Manufactured & Marketed by:
MediRay
 Healthcare (P) Limited
 An ISO 13485:2003 and ISO 9001:2008 Certified Company

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CE



Exceed in
 Quality and more

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