Boule

Medonic™ M32 hematology system

Beyond compromise

Laboratory diagnostics is one of the cornerstones of healthcare, and test results form the basis for patient diagnosis. Hematology analysis constitutes a cost-efficient tool for health screenings and initial disease investigations.

With its compact design, highly accurate results, and low maintenance needs, Medonic M32 provides laboratories with an efficient tool for hematology analysis:

- Shear valve-guided aspiration ensures measurement quality.
- Optional space-saving automation solution provides constant mixing of queued samples.
- Robust equipment design helps ensure instrument uptime.

Medonic M32 model characteristics	M32B	M32M	M32C	M32S
Built-in tube mixer		•		•
Micro-pipette adapter (MPA)		•	•	•
Shear valve sample aspiration	•	•	•	•
Pre-dilution mode	•	•	•	•
Cap-piercing device			•	•
Autosampler				•

Technical specification

Parameters

16 for diagnostic use

WBC, LYM, MID, GRAN, LYM%, MID%, GRAN%, RBC, MCV, HCT, PLT, MPV, HGB, MCH, MCHC, RDW%

6 for research use

RDW, PCT, PDW%, PDW, P-LCR, P-LCC

Sample volume

Open tube (OT):	110 µL
Capillary (MPA):	20 µL
Prediluted:	20 µL
Cap piercer:	250 µL
Autoloader:	300 µL

Display

7 inch TFT touch screen

Data storage capacity

50 000 samples

Reagents

2 RFID locked reagents are used for analysis:

Medonic M-series Diluent

Medonic M-series Diluent Lyse

Quality control

Tri-level controls (L, N, H)

QC statistics: Mean, SD, CV%, Levey-Jennings and X-bar

Linearity ranges

PLT: 10–1800 × 10^9/L
RBC: 0.30–7.00 × 10^{12}/L
WBC: 0.20–130.0 × 10^9/L
HGB: 2.0–24.0 g/dL

Throughput

60 samples/hour

50 seconds, time to results, OT inlet

Interface ports

4 USB ports, 1 LAN port that supports

LIS/HIS communication through, HL7 protocol

Printout

Postscript-compatible printers supporting PCL 3/5e

Dimension

295 mm (W) × 475 mm (D) × 395 mm (H) (M32B, M32M, M32C)

340 mm (W) × 475 mm (D) × 395 mm (H) (M32S)

Weight

≤ 18 kg (M32B/M32M/M32C)

≤ 22 kg (M32S)

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