

Medonic™ M16 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 M16 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 M16 model characteristics

	M16M	M16C	M16S
Built-in tube mixer	•		•
Micro-pipette adapter (MPA)	•	•	•
Shear valve sample aspiration	•	•	•
Pre-dilution mode	•	•	•
Cap-piercing device		•	•
Autosampler			•

Technical specification

Parameters

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

Sample volume

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

Display

5.7 inch TFT touch screen

Data storage capacity

1000 samples

Reagents

2 barcode-entered reagents are used for analysis:
 Medonic M-series Diluent
 Medonic M-series Lyse

Quality control

Tri-level controls (L, N, H)
 QC statistics: Mean, SD, CV%, Levey-Jennings and X-bar

Linearity ranges

PLT: 20–1800 × 10⁹/L
 RBC: 0.30–7.00 × 10¹²/L
 WBC: 0.5–99.9 × 10⁹/L
 HGB: 2.0–24.0 g/dL

Throughput

60 samples/hour
 50 seconds, time to results, OT inlet

Interface ports

USB output with USB device port connector
 USB connection to memory stick
 USB connection to RS232 serial port adapter

Printout

Postscript-compatible printers supporting PCL5e/c

Dimension

11.5 (W) × 18 (D) × 16 (H) inch (M16M, M16C)
 13 (W) × 18 (D) × 17 (H) inch (M16S)

Weight

≤ 18 kg (M16M/M16C)
 ≤ 22 kg (M16S)

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