

# Medonic™ M51 hematology system.

## Explore your possibilities.

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Hematology analysis provides a cost-efficient tool for general health screenings and in initial disease investigations, and the results form the basis for decisions on further testing or initiation of treatment.

Medonic M51 hematology system delivers accurate results in a compact design well suited for the smaller laboratory. The interface is designed to be simple to understand and easy to navigate. Robust software and hardware components minimize service and maintenance needs to maximize instrument uptime. Medonic M51 provides the possibility to leverage high-quality diagnostics, while keeping costs to a minimum:

- Developed for ease of use.
- Designed to ensure uptime and a reliable performance.
- Low maintenance needs support cost-efficient operations.



## Technical specification

### Parameters

20 for diagnostic use:

RBC, MCV, HCT, RDW-CV, HGB, MCH, MCHC, PLT, MPV, WBC, LYM#, LYM%, MON#, MON%, NEU#, NEU%, EOS#, EOS%, BAS#, BAS%

9 for research use:

RDW-SD, PCT, PDW, P-LCC, P-LCR, AL#, AL%, IG#, IG%

### Throughput

Up to 60 samples/h in CBC mode

Up to 45 samples/h CBC + 5-part WBC differential

### Display

10.4 inch TFT touch screen

### Data storage capacity

50 000 samples

### Sample volume

Samples: Venous blood, capillary blood, and pre-diluted

Sampling system: Open tube aspiration

Aspiration volume: CBC: 20  $\mu$ L and CBC + DIFF: 25  $\mu$ L

### Reagents

3 RFID locked reagents and one cleaner used for analysis:

Medonic M51-D Diluent, Medonic M51-L1 Lyse, Medonic M51-L2 Lyse, and Boule EasyCleaner

### Quality control

Tri-level controls (L, N, H)

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

X-bar

### Interface ports

4 USB ports, 1 LAN port that supports bidirectional LIS/HIS communication through HL7 protocol

### Printout

External laser printer or inkjet printer, various printout formats and user-defined formats

### Linearity ranges

PLT: 0–3000  $\times 10^9$ /L

RBC: 0–8.5  $\times 10^{12}$ /L

WBC: 0–300  $\times 10^9$ /L

HBC: 0–250 g/L

### Dimension

364 mm (W)  $\times$  431 mm (D)  $\times$  498 mm (H)

### Weight

28 kg

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