



## Medonic™ M-series M32 Innovation built of total quality

### FOR TODAY'S HEMATOLOGY LABS

- Full CBC from one drop of blood
- Maintenance-free shear valve
- Space-saving walk-away autoloader

# Make way for Medonic M-series M32

Packed with innovation. Uncompromised accuracy. Outstanding quality. Medonic M-series M32 analyzers occupy pride-of-place in the very best hematology labs. There is room for one on your benchtop.

## Sampling to full CBC in about one minute

Three Medonic M-series M32 analyzers include micro-pipette adapter (MPA) sampling. This feature transforms Medonic into one of the fastest blood cell counters in the world. Simply make a finger stick, draw blood into the special 20  $\mu$ L micro-capillary tube, slide it into the adapter and insert it in the analyzer. In about one minute later, you see the full blood status on the touchscreen. No preparation, no pre-dilution, no vacuum tubes and no needles are required. As making a finger stick is largely painless, MPA is suitable to take and analyze blood samples from children. For blood banks, MPA allows for making fast, pre-donation blood testing, while saving the vein for donation.



*Medonic M-series M32 analyzers deliver a full CBC from just 20  $\mu$ L of blood, suitable for children and blood banks.*

## Accurate results start with precise collection

The sampling technique is a critical part of the measurement and reflected in the accuracy of every result you report. Every Medonic M32 analyzer therefore comes equipped with a high-precision shear valve. Not only is the Medonic shear valve extremely precise to deliver accurate results, it is also maintenance-free for you to enjoy significantly reduced maintenance costs.



*Maintenance-free Medonic M-series M32 shear valve secures accurate results and lowers maintenance costs.*

Medonic M32 also provides an extended platelet (PLT) count for more accurate results in the critically low PLT range. In case of a patient sample with severe thrombocytopenia detected, the analyzer will activate PLT extended count, counting three times as many platelets as in normal count mode, to be able to give a more accurate PLT result. PLT results analyzed with extended count will be marked with an asterisk (\*).

## The walk-away analyzer

Much as you will enjoy working with your Medonic analyzer, there will be times when you need to leave it to analyze a whole batch of samples by itself. For these occasions, the M32S model is the instrument of choice to have on your bench. As the top-of-the-range model, Medonic M-series M32S is the walk-away analyzer well-suited for many small- to medium-sized hospitals. Just pre-load up to 2  $\times$  20 samples and let it do the work!



*M-series M32S with autoloader is suitable for small to medium-sized hospitals, needing walk-away analysis functionality.*

# Multiple models to fit your needs



**Intuitive software**  
Simplifies work processes and gives the operator control of sample results and patient records.

**Easy-to-use interface**  
Interface design promotes smooth operation and accurate assessment of results. Menus are simple to understand and easy to navigate.

**Ergonomic design**  
The analyzer is designed to facilitate sample handling.

**Flexible connection options**  
Allow for connection of printer, keyboard, barcode reader, USBs, etc. and send results to LIS via LAN.

## Model characteristics

M32B

M32M

M32C

M32S

Built-in tube mixer		•		
Micro-pipette adapter (MPA)		•	•	•
Maintenance-free shear valve	•	•	•	•
Pre-dilution mode	•	•	•	•
Cap-piercing device			•	•
Autoloader				•

## Technical specification

### Parameters

22 parameters:

- WBC, LYM, MID, GRAN, LYM%, MID%, GRAN%, RBC, MCV, HCT, PLT, MPV, HGB, MCH, MCHC, RDW%, RDW, PCT, PDW%, PDW, P-LCR, P-LCC

### Throughput

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

### Sample volume

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

### Sampling system

Closed shear valve

### Reagents

- 2 RFID locked reagents are used for analysis:
- Medonic M-series Diluent
  - Medonic M-series Diluent Lyse

### Display

7 inch TFT touch screen

### Data storage capacity

50 000 samples

### Interface ports

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

### Printout

Postscript-compatible printers supporting PCL 3/5e

### Precision (typical value)

WBC CV ≤ 3.5% (1.6%)  
RBC CV ≤ 1.8% (0.8%)  
MCV CV ≤ 1.5% (0.5%)  
HGB CV ≤ 1.5% (0.6%)  
PLT CV ≤ 5.2% (2.9%)

### Dimension

295 (W) × 475 (D) × 395 (H) mm (M32B/M32S/M32C)  
340 (W) × 475 (D) × 395 (H) mm (M32S)

### Weight

≤ 18 kg (M32B/M32S/M32C)  
≤ 22 kg (M32S)

Boule Diagnostics AB is a company that develops and manufactures systems and consumables for hematology diagnostics for public healthcare providers worldwide. The company is primarily focused on small and medium-sized hospitals, clinics, and laboratories in outpatient care as well as other diagnostics companies in both human and veterinary hematology. The group comprises operating subsidiaries in Sweden, the US and Russia. Since 2011, Boule Diagnostics shares are traded on NASDAQ OMX Nordic.

Medonic M32 hematology analyzers are part of our Total Quality Concept that comprises instruments, reagents, quality control materials and service, an unbroken chain of know-how in quality hematology measurements.

## Hematology systems beyond compromise.

For more information about Medonic M-series M32, please visit [medonic.se](http://medonic.se)

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