

# Hemolyzer<sup>®</sup> 3



The compact  
solution in  
3-Part-differential  
hematology

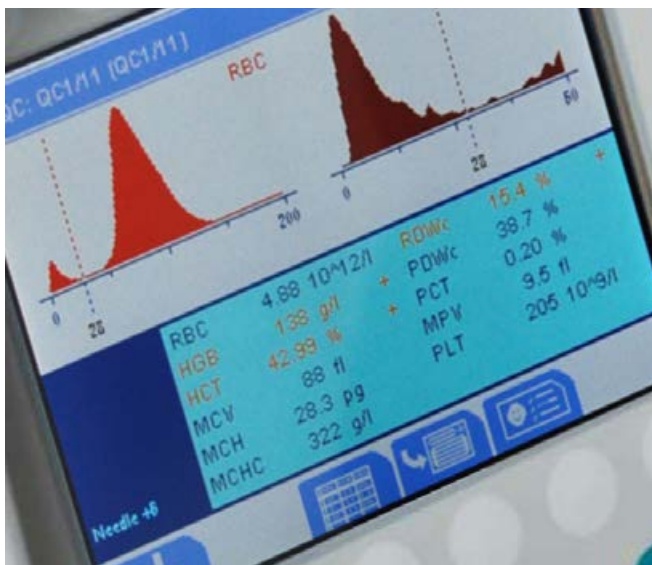


## Hemolyzer<sup>®</sup> 3

is Analyticon's compact high quality solution in hematology intended for hospitals and physician offices. The new hematology analyzer uses established methods like impedance and photometric measurements and is characterized by delivering reliable and accurate results while being easy-to-use, efficient and affordable at the same time. The Hemolyzer<sup>®</sup> 3 provides 20-parameters complete blood count including a 3-part WBC differential at a throughput of 60 samples per hour.

## Reliable and accurate

- The high resolution color LCD allows easy monitoring of the results with large and clearly interpretable histograms.
- Up to 10.000 results, including histograms, are stored in the database
- Full quality control management system including Levey-Jennings diagrams
- Minimal maintenance due to a reliable system that enables a self diagnostic function
- Automatic cleaning of the fluidic systems from dust particles with every start-up
- Automatic clogging prevention of the apertures by applying high voltage pulses after each measuring cycle



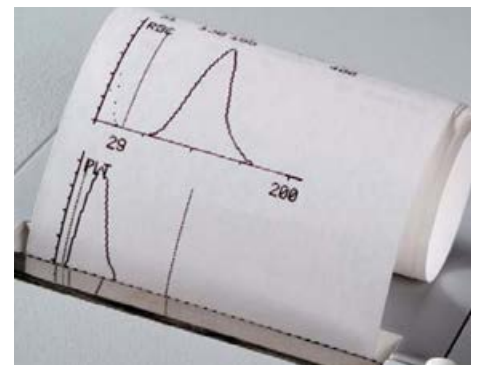
## Easy-to-use and agile

- Robust system requiring minimal laboratory space and minimal maintenance
- The sample is aspirated inside the analyzer, which guarantees maximal hygiene by practically excluding the risk of injuries for the user
- Easy to use user interface with 6 icon-labeled software buttons and 6 hardware function buttons, cursor and numeric keys
- Optional external bar code reader minimize data entry error and enables rapid data processing
- Built-in thermal printer and possibility to connect external printer
- Possibility of further processing of the measured data by interfacing the Hemolyzer<sup>®</sup> 3 with a host computer (RS232 or USB)



## Efficient and affordable

- Intelligent and solid design provides maximum value at low running costs
- High throughput of 60 samples per hour (results within 60 seconds)
- Whole blood aspiration volume is only 25  $\mu$ l
- Uses only 3 reagents (cyanide-free)
- Automatic monitoring of reagent status



## Technical Specifications

Parameters	20 parameters, including 3-part WBC differential: WBC, LYM#, MON#, NEU#, LYM%, MON%, NEU%, RBC, MCV, HCT, HGB, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PCT, PDW-CV, PDW-SD
Measuring principle	Volumetric impedance method
Throughput	60 tests/hour
Sample volume	25 µl of whole blood
Sampling method	Open tube
Sample profiles	Human (male, female, child, toddler, baby)
Reagents	Isotonic Diluent, Lyse, Cleaner
Calibration	Manual or automatic
Quality Control	6 QC lots, Levey-Jennings diagrams
User interface	Easy-to-use, menu driven user interface with 6 software buttons (with icons), 6 hardware function buttons, cursor and numeric keys on a color LCD
User languages	Multilingual user interface
Software upgrade	USB memory stick
Data storage capacity	Max. 10 000 records including histograms
Printout	“Easy Paper Operation” thermal printer, 56 mm wide roll paper (optional)
External keyboard	PS/2 or USB
Bar code reader	Optional
Interfacing capabilities	RS232 or USB
Multi-user mode	3 user levels
Size (WxDxH)	350 × 490 × 385 mm
Weight	15 kg
Operating environment	Temperature: 15–35°C. Relative humidity: max 80% (non-condensing)

## Consumables

All reagents are cyanide-free and have extended shelf life.

Reagents	Name	Art.-No.	Pack Size
Isotonic Diluent	Hemolyzer-Diluent	HE3201	20 L
Hemolysing Agent	Hemolyzer-3-Lyser	HE3101	1 L
Cleaner	Hemolyzer-3-Cleaner	HE3301 / HE3302	1 L / 5 L
Contr./Calibr./Cleaner	Name	Art.-No.	Pack Size
Control	Hemolyzer-3-Control Set (3 Level)	HE3502	2 x 3 x 3 ml
Calibrator	Hemolyzer-Calibrator	HE3601	2 x 3 ml
Cleaner (external)	Hemolyzer-Hypocleaner	HE3401	100 ml



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