






Compo-Lab HB systems

Ordering information and technical data

For more information, literature, technical details and working procedures as well as for equipment please contact your local sales organisation or the adress below.

9021011	CompoLab HB system Device in transport case, including power adapter and manual	
9118841	Cuvette box , containing 50 cuvettes	
9118851	Cardboard box small , containing 10 boxes / 500 cuvettes	
9118861	Cardboard box big , containing 60 boxes / 3000 cuvettes	
9029081	CompoLab HB device; only device	
M653031	Transport case	
M653041	Power adapter , 100-240 AC input, 50-60 Hz	
M653051	Operation Manual	

Details of equipment as supplied may differ from illustration

Technical data

Measuring method:	Azidmethemoglobin method; The haemoglobin value is detected out of 10µl whole blood in a cuvette within 10 – 60 seconds.
Measuring range:	0 – 25.5 g/dl (0 – 255 g/l, 0 – 15.9 mmol/l)
Linearity:	0 – 20 g/dl: ± 0.3 g/dl, over 20 g/dl: ± 0.7 g/dl)
Duration of use:	approx. 40 h with fully charged battery and if in continual use
Power supply:	100 – 240 V AC, 50-60 Hz; max 30 mA; typically 15 mA
Dimensions (open slider):	11.5 x 6 x 18 cm (WxHxD)
Weight:	495 g (without power adapter)

your local sales organization



Fresenius HemoCare

A company of the Fresenius Kabi AG

Fresenius Transfusions GmbH . Pfingstweide 53 . 61169 Friedberg . Germany
Tel. +49-61 72-6 08 84 57 . Fax: +49-61 72-6 08 63 15
www.fresenius-kabi.com

CompoLab HB system

Quick and accurate haemoglobin screening



MAGIC TIP assures excellent measuring accuracy

MAGIC TIP saves one operation step

Auto-calibration function

Dual wave lengths measuring method

QC indicator in cuvette box



Fresenius HemoCare

Compo-Lab HB system –

innovative haemoglobin screening technology

CompoLab HB is one of the smallest devices to measure haemoglobin in human whole blood. By use of a motor driven cuvette holder, operation has become very easy by assuring excellent measuring accuracy at the same time.

MAGIC TIP saves one operation Step

Triggered by a MAGIC TIP, a finger tip to close the cuvette holder, CompoLab closes motor driven. Subsequently measuring and displaying of the haemoglobin value takes place automatically. The cuvette holder automatically opens for the next cuvette – and therefore saves one operation step. Additionally, the contamination risk is reduced, as no further parts of the device have to be touched.



MAGIC finger TIP triggers complete measuring cycle



Automatic indication of HB value and opening of cuvette holder in one step

MAGIC TIP assures excellent measuring accuracy

The motor positions the cuvette holder precisely without manual influences, like too rough pushing during closing. Hence, less contamination risk for the optical unit arises. The measuring accuracy is $\pm 3\%$ compared to international reference method for haemoglobin (ICSH method).

Auto-calibration function

Auto-calibration always is activated when switching on CompoLab HB. This function completely replaces the use of control cuvettes and the need of re-calibration. Furthermore an excellent long term stability of CompoLab results.

Dual wave lengths method

To compensate potential turbidity of the whole blood sample, measuring is done at two wave lengths – 570nm and 880 nm. This supports excellent measuring accuracy independent of individual blood variances.

QC indicator in cuvette box

CompoLab HB disposables use up-to-date technology to realize a high level of quality assurance: The QC cartridge inside the cuvette box contains indicator substance. The change in color of the cartridge substance from orange into transparent indicates, that the cartridge has been exposed to humidity and therefore shall not be used anymore.



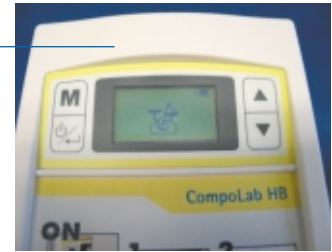
Yellow cartridge indicates good quality



White cartridge indicates humidity damage

New and Improved:

Auto-calibration function



New and Improved:

Li-Ion battery lasting for 40 h continuous operation



Display of operation steps for intuitive learning

Space-saving and ergonomic design:

Holder opens to the front, not to the side. Cuvette placing with ergonomic finger notch



Cuvette holder is fixated magnetically, extra easy access for cleaning

Innovative:

Motor driven cuvette holder operated by MAGIC TIP



CUVETTES:



Device and cuvettes comply to IVD-Directive 98/79/EEC. Shelf life of an unopened box is 24 months, of an opened box either 3 months or until color change of indicator. Cuvettes are suitable for CompoLab HB device and compatible systems.