

HemoCue® Hb 801 System



Innovation at its best from the pioneers in Hb testing

Hb 801

With the introduction of HemoCue® Hb 801 System we are taking the Hb point-of-care testing to a new level. The system is designed with your needs in mind, maintaining the robustness and quality you expect from HemoCue products. It provides ease of use and enables work flow efficiency with connectivity options delivering fast result at the time of care.

HemoCue® Hb 801 System is optimized for hemoglobin testing in hospital, primary care, public health and road ambulance settings.* The system provides quick, easy access to lab-quality results without compromising accuracy, even in demanding climates with high temperatures and humidity.

Maximize time with your patients

- Immediate result in less than 1 second
- Work everywhere with flexible power supply options
- Easy to clean - less down time

Experience daily operational efficiency

- Large display and symbols allow you to quickly monitor workflow and result
- "Let-go-grip" - no need to keep holding the microcuvette down during measurement
- Vendor-neutral connectivity offers flexibility for e.g. data transfer

Trust your results at the point of care

- Factory calibrated against the ICSH recommended reference method. No further calibration needed
- Robust design and accurate testing within a wide range of temperatures and humidity
- Built in self-test

* Hospital and road ambulance settings only for markets where EU IVDR CE mark is applicable

HemoCue® Hb 801 System

Specifications

Principle

The HemoCue® Hb 801 System consists of an analyzer together with microcuvettes. Blood is drawn into the microcuvette cavity by capillary action. The measurement takes place in the analyzer, which measures the absorbance of whole blood at an Hb/HbO₂ isosbestic point.

Calibration

The HemoCue® Hb 801 System is calibrated against the hemoglobin cyanide (HiCN) method, the international reference method recommended by ICSH, for the determination of the hemoglobin concentration in blood. The system is factory calibrated and needs no further calibration.

Sample material

Capillary or venous whole blood

Measurement range

1.0-25.6 g/dL (10-256 g/L, 0.62-15.9 mmol/L)

Measuring time

< 1 sec

Sample volume

10 µL

Dimensions

143×87×45 mm (5.6×3.4×1.8 inches)

Weight

< 250 g (0.55 lbs), batteries excluded

Storage temperature

Analyzer: 0-50 °C (32-122 °F) Microcuvettes: 10-40 °C (50-104 °F). Opened or unopened vials of microcuvettes can be stored for a shorter period of time (6 weeks) between -18-50 °C (0-122 °F).

Operating temperature

10-40 °C (50-104 °F)

Power

USB adapter or 3 AA batteries (1.5 V Alkaline or 1.2 V NiMH).

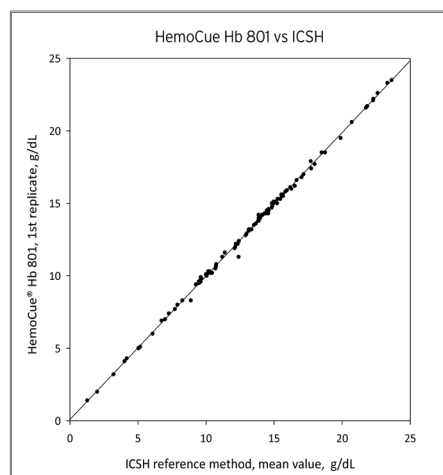
Optional: HemoCue Rechargeable battery

Interface

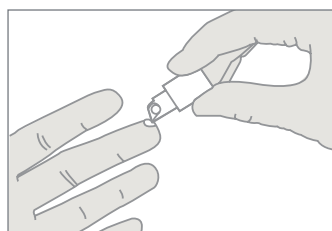
USB and Bluetooth Low Energy
Vendor-neutral connectivity

Quality control

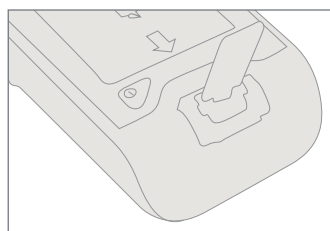
Built-in self-test, optional liquid controls



Three simple steps



1 Fill microcuvette.



2 Place microcuvette into analyzer.



3 View results.