

HemoCue Products



Lab Quality Tests at the Point of Care

The HemoCue systems consist of portable analyzers together with specially designed microcuvettes. The systems provide lab-quality results at the point of care. The systems are factory calibrated and need no further calibration. The correct volume of sample is drawn into the microcuvette by capillary action, where it is spontaneously mixed with the reagents in the cuvette cavity. No mixing of reagents, dispensing or pipetting is required.



To learn more about the HemoCue product range,
please visit hemocue.com



HemoCue® 201 Systems: Hb and Glucose

The HemoCue 201 systems for hemoglobin and glucose provide laboratory-quality results in whole blood. The analyzer, which can hold up to 600 results, can be connected to a PC or a printer. The analyzers have an internal electronic selftest that is performed every time the analyzer is turned on, and every second hour if left on. Quality control measurements can be marked with a QC symbol.



HemoCue® 201 DM Systems: Hb and Glucose

The HemoCue 201 DM systems for Hemoglobin and Glucose with data management functions allow healthcare providers to ensure the authorized and appropriate use of the analyzers. By means of a wide range of settings and definable options, the systems can be made to prompt the operator for identification, batch numbers, quality control and other required information before analysis. The information may be entered as free text or by use of the built-in barcode scanner. All stored information is easily reviewed or transferred automatically into a computerized information system.

HemoCue® Hb 201+ Systems

Method: Azidemethemoglobin
 Measurement Range: 0–256 g/L (0–25.6 g/dL, 0–15.9 mmol/L)
 Sample Material: 10 µL of capillary, venous or arterial blood
 Measurement Time: Results displayed within 15–60 seconds

HemoCue® Glucose 201 Systems

Method: Glucose dehydrogenase
 Measurement Range: Glucose 201+: whole blood 0–22.2 mmol/L (0–400 mg/dL), plasma equivalent 0–24.6 mmol/L (0–444 mg/dL)
 Glucose 201 RT; whole blood 0–27.8 mmol/L (0–500 mg/dL), plasma equivalent 0–31 mmol/L (0–560 mg/dL)
 Sample Material: 4 µL (Glucose 201 RT), 5 µL (Glucose 201+) of capillary, venous or arterial blood
 Measurement Time: Within 1 minute for normal glucose levels



HemoCue® Hb 301 System

The Hb 301 system is a swift and effective tool for anemia screening. Based on HemoCue's original cuvette technology, the system is optimized for use in primary care and blood donation settings.

Method: Scattering measurement of whole blood at Hb/HbO₂ isobestic point
 Measurement Range: 0–25.6 g/dL (0–256 g/L, 0–15.9 mmol/L)
 Sample Material: 10 µL of capillary, venous or arterial blood
 Measurement Time: Results displayed within 3 seconds



HemoCue® Plasma/Low Hb System

The HemoCue Plasma/Low Hb system is designed for measurement of low concentrations of hemoglobin in plasma, serum and irrigating fluids. Estimation of hemolysis is a quality control parameter in many different applications, e.g., blood bank products, salvaged and filtered blood.

Chemistry Method: Azidemethemoglobin
 Measurement Range: 0–30.0 g/L (0–3.0 g/dL, 0–3000 mg/dL, 0–1.90 mmol/L)
 Sample Material: 20 µL of plasma, serum or aqueous solutions
 Measurement Time: Results displayed within 15–60 seconds



HemoCue® WBC System

The HemoCue WBC system is a unique point-of-care testing system for the determination of total white blood cell count. Based on HemoCue's proven and reliable cuvette technology and ease of use, lab-quality results are obtained within minutes, making the system optimal for primary care settings.

Method: Picture analysis of methyleneblue stained leucocytes
Measurement Range: $0.3-30.0 \times 10^9/L$ (300–30000/mm³, 300–30000/ μ L)
Sample Material: 10 μ L of capillary or venous (EDTA) whole blood
Measurement Time: Results displayed within 3 minutes



HemoCue® WBC DIFF System

The HemoCue WBC DIFF system makes it possible to get not only lab-accurate white blood cell counts but also 5-part differentials at the point of care. In just five minutes, you have absolute counts for neutrophils, lymphocytes, monocytes, eosinophils and basophils.

Method: Picture analysis and counting of stained cells
Measurement Range: $0.3-30.0 \times 10^9/L$ (300–30000/mm³, 300–30000/ μ L)
Sample Material: 10 μ L of capillary or venous (EDTA) whole blood
Measurement Time: Results displayed within 5 minutes



HemoCue® Albumin 201 System

The HemoCue Albumin 201 system provides quantitative determination of albumin in urine. The system can be used for the purpose of screening, monitoring and supporting the clinical evidence in the diagnosis and treatment of microalbuminuria.

Method: Turbidimetric immunoassay
Measurement Range: 5–150 mg/L
Sample Material: 18 μ L of spot or timed urine collections
Measurement Time: Results displayed within 90 seconds



HemoCue® HbA1c System

HemoCue HbA1c 501 is a fully automated system for measuring HbA1c at the point of care. It's not only easy to use, but every element — from its size to the storing and handling of cartridges — is thought through to be ideally suited for how you work.

Chemistry Method: Boronate affinity
Measurement Range: 20–130 mmol/mol (IFCC), 4.0–14.0% (NGSP)
Sample Material: 4 μ L of capillary or venous whole blood
Measurement Time: Results displayed within 5 minutes

Why HemoCue

HemoCue is a global leader in a field of diagnostics known as near patient, or point-of-care, testing. In 1982, HemoCue AB, based in Ängelholm, Sweden, introduced the first system making accurate hemoglobin testing possible in near-patient settings. Since then, more than 350,000 HemoCue systems have been sold worldwide. The company also sells point-of-care tests for glucose, urine albumin, HbA1c, total and differential white blood cell count. HemoCue subsidiaries, affiliates, franchises, and third-party distributors generate revenue in more than 130 countries worldwide. HemoCue was acquired by Radiometer, a Danaher company, in April 2013.

Because when it comes to caring for people, we refuse to compromise.



Hemoglobin | HbA1c | Glucose | Urine Albumin | WBC / WBC DIFF

HemoCue AB | PO Box 1204 | SE-262 23 Ängelholm | Sweden
Phone: +46 77 570 02 10 | Fax: +46 77 570 02 12 | info@hemocue.se | hemocue.com
©2015 HemoCue AB | HemoCue – part of the Radiometer Group

HemoCue has been a leader in point-of-care medical diagnostics for over 30 years. We specialize in giving healthcare providers lab-quality accuracy with results comparable to that of a clinical lab.

