

# Point-of-care hemoglobin test with associated mobile application

Country of origin | Sweden

Primary function | Diagnosis

## Health problem addressed

Millions of people are affected by anemia. Patients and healthcare workers require feedback on hemoglobin level in order to follow up treatment and anemia condition, considering age, gender, height, weight as well as location. Public Health surveys, nutrition programs and anemia programs would benefit from such data on hemoglobin level.



## Disease addressed

Endocrine, nutritional, and metabolic diseases; pregnancy, childbirth, and the puerperium; symptoms, signs, and abnormal clinical and laboratory findings, not elsewhere classified.

## Product information

The solution includes two parts: a well-established point-of-care hemoglobin test (Hb test) system often used in large screening programs, and a portable monitor to read the tests results. The portable monitor provides immediate results for real time insight. The results from the Hb test can then be transferred using the applied Bluetooth dongle to a mobile tablet/cell phone. Demographic information is added and sent to a cloud-based database, together with the results of the Hb test. The project leader can review outcome from a remote location and act as required.

## Use and maintenance

**User:** Untrained individual, trained caregiver (e.g family member), midwife, technician, nurse, general physician, specialized physician, Public Health project team.

## Environment of use

**Setting:** Rural settings, urban settings, outdoors, indoors, at home, public places (market, library, etc.), primary level (health post, health centre), secondary level (general hospital), tertiary level (specialists hospital), ambulances, anywhere.

**Energy requirements:** Replaceable batteries, continuous power supply.

## Product specifications

**Accessories:** Company Bluetooth dongle.

**Consumables:** Company hemoglobin microcuvettes, lancets, cleaners.

**Other features:** Specific ambient temperature and/or humidity range; healthcare waste disposal facilities (pathological waste, sharps, chemicals, etc.); access to the Internet; access to a cellular phone network; connection to a laptop/computer.

## Commercial information

**Reference price (USD):** 15000

**Model:** Health Trender and Hb 201+

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