

HemoScreen / CBC at Your Fingertip

HemoScreen Analyzer and Cartridge for CBC Test at the POC



Disposable Cartridge

- Self Contained Disposable Cartridge
- Miniature Size and Low Weight
- Fast Turnaround
- Imaging Based Measurement
- Simple Use
- Robust
- High Repeatability
- Maintenance Free Analyzer
- Small Volume of Blood
- Low Cost
- High Accuracy

MAKE CELL-BASED DIAGNOSTIC SIMPLE

HemoScreen Analyzer is a novel **Complete Blood Count (CBC)** device for the **Point of Care (POC)**, introduced by **PixCell Medical**.

HemoScreen Analyzer is utilizing PixCell Medical's **Viscoelastic Focusing** and **microfluidic** technology on a **single use cartridge** for image based, **Cell-Based Diagnostics**.

Complete Blood Count (CBC) is the most frequently used hematology test, with more than 200 million tests performed annually at the point of care (POC) in the US only. CBC is routinely performed in central hematology labs by large and costly machines which use relatively large blood samples.

HemoScreen CBC analyzer brings the laboratory to the physician's office and to the patient's home, to isolated communities, ambulances and even field units. Requiring only a minute blood sample and no maintenance, it is also ideal for newborns hematology assessment.

HemoScreen Analyzer provides over **20 standard CBC parameters** within 2-5 minutes, including **RBC count, RBC indices, absolute WBC count, WBC 5-diff** and **platelets parameters**. Only a few micro liters of blood collected from the finger using a standard lancet are needed.

The CBC tester has successfully passed preliminary clinical trials, demonstrating high accuracy and repeatability.

Clinical Data

PixCell's CBC analyzer was validated vs. state of the art CBC systems that are commonly used in Hematology labs. In addition test results were compared to manual counting blood smears, performed by laboratory technicians. Both tests presented very high correlation between PixCell's analyzer and the reference results.

