

Bringing Accessible Lab Testing Everywhere It's Needed

Essenlix's **iMOST platform** represents a significant leap forward in digital health technology. Designed as an industry first, it enables individuals to perform self-evaluations for a wide range of diseases and health-related biomarkers - including cells, proteins, small molecules, and nucleic acids - using tiny drop of body fluid such as blood, saliva, urine, or sweat. Our technology delivers **clinical results within minutes**, anytime and anywhere, and communicates them instantly to healthcare professionals.

The **iMOST platform** is fast, user-friendly, and cost-effective, while ensuring the **accuracy and reliability** of lab-quality test results. It is built to be **fault-tolerant**, delivering dependable outcomes even when samples, devices, or operating conditions are less than perfect.

Essenlix is transforming traditional, cumbersome, and costly lab testing into a **convenient, mobile solution**, making it the cornerstone of advanced, accessible digital health monitoring.

Powerful Global Intellectual Property Portfolio



Accurate:

Provides reliable test results even under imperfect conditions



Fast

Delivers results within seconds to minutes



Easy-to-Use

Portable, intuitive, and seamlessly connected for smooth operation



Cost-Effective

Simple and affordable devices and tests



Versatile

One Q-Card format and device capable of assaying various sample types and biomarkers



Reliable

Features on-chip quality control and image records for consistent accuracy

POC/PST Device:
A Game-Changing
Solution

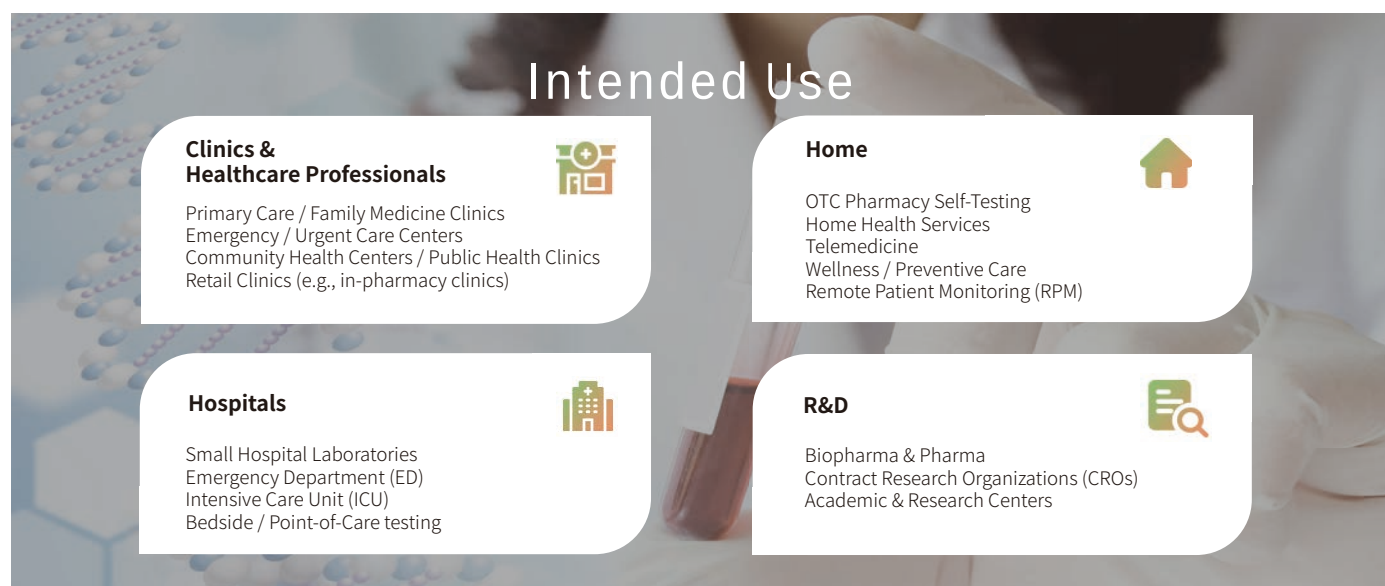
3 Mins
to Your CBC Test
Results

10 ul
Minimal Sample
Volume

iMOST® Hematology Analyzer

iMOST Hematology Analyzer is a **lightweight, compact, and portable** automated quantitative blood cell analyzer that combines **innovative micro-nano technology with biochemistry and computer vision** for blood analysis. It can be used for rapid in vitro quantitative measurements of full blood count tests.

The **iMOST system** includes the analyzer, disposable test cards (Q-Card), and related accessories. The test cartridge (Q-Card) is a sealed plastic card pre-filled with the required reagents to run the defined test, which can accept a blood or control sample from a transfer pipette. The test cartridge interfaces simply and seamlessly with the instrument, minimizing the operator's technical requirements.



Technical Specifications

Specifications	iMOST-L (U-Lite)	iMOST-U
iMOST Analyzer and Q-Card Images		
Current Parameters	12 (HGB, WBC, 5-DIFF)	19 (HGB, WBC, PLT, RBC, 5-DIFF, etc.)
Measuring Time	3 - 3.5 minutes	4 - 4.5 minutes
Data Analyze	Local on Device	Local on Device
Sample	Capillary blood or K ₂ EDTA venous blood	K ₂ EDTA Capillary blood or venous blood
Sample Volume (on Q-Card)	10 µL	10 µL
Dimensions	220 mm x 110 mm x 80 mm	220 mm x 110 mm x 80 mm
Weight	997 g	997 g
Connection / HIS-LIS	Support connection to HIS/LIS via WIFI	Support connection to HIS/LIS via WIFI

Current Test Parameters

	Type	Test Parameters	iMOST-L	iMOST-U
1	Complete Blood Count (CBC)	Hemoglobin (HGB)	✓	✓
2		White Blood Cell Count (WBC)	✓	✓
3		Platelet Count (PLT)		✓
4		Red Blood Cell Count (RBC)		✓
5		Neutrophil Percentage (NEU%)	✓	✓
6		Lymphocyte Percentage (LYM%)	✓	✓
7		Monocyte Percentage (MON%)	✓	✓
8		Eosinophil Percentage (EOS%)	✓	✓
9		Basophil Percentage (BAS%)	✓	✓
10		Neutrophil Count (NEU#)	✓	✓
11		Lymphocyte Count (LYM#)	✓	✓
12		Monocyte Count (MON#)	✓	✓
13		Eosinophil Count (EOS#)	✓	✓
14		Basophil Count (BAS#)	✓	✓
15		Mean Corpuscular Volume (MCV)		✓
16		Hematocrit (HCT)		✓
17		Mean Corpuscular Hemoglobin Concentration(MCHC)		✓
18		Mean Corpuscular Hemoglobin (MCH)		✓
19		Red Blood Cell Distribution Width (RDW)		✓

Usage Simple Steps



(1) Open Q-Card and place it on the presser



(2) Drop blood onto the Q-Card.



(3) Close the Q-Card.



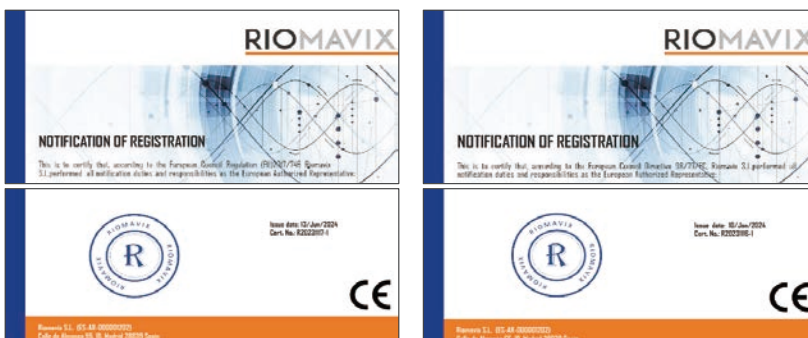
(4) Insert it into Analyzer.



(5) Get Results in about 3Mins.



Certification



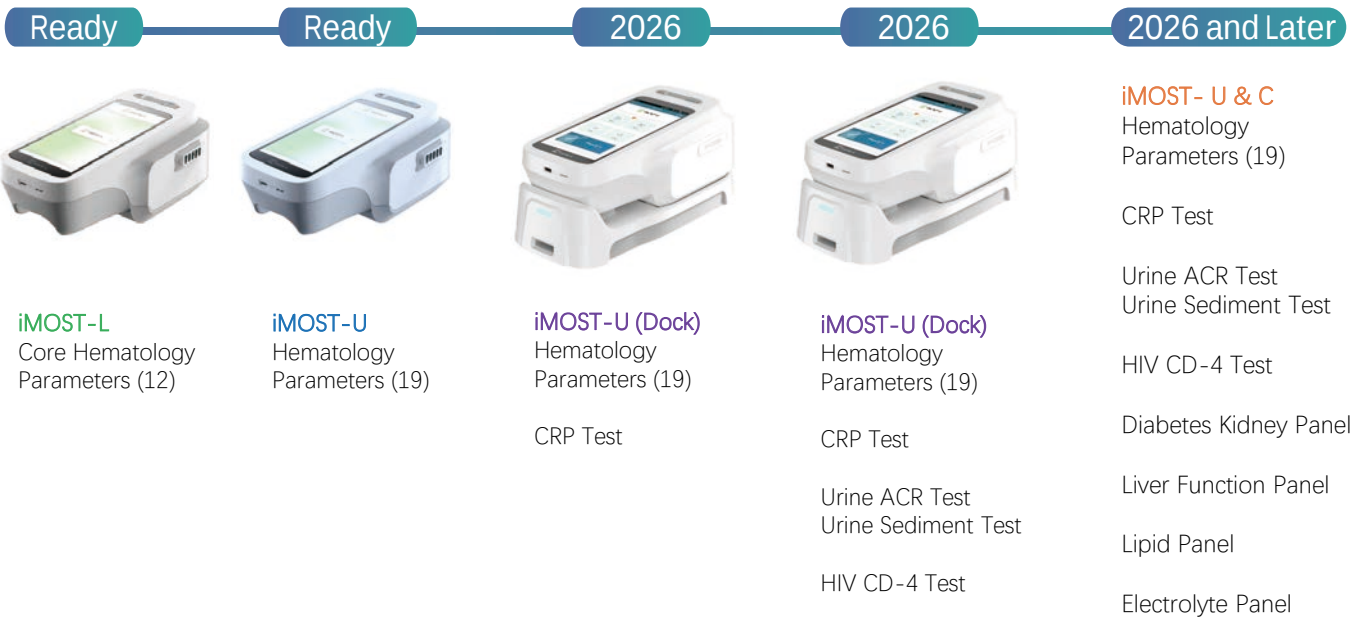
CE Certified



Compliant with the requirements of
ISO 13485:2016 & EN ISO 13485:2016

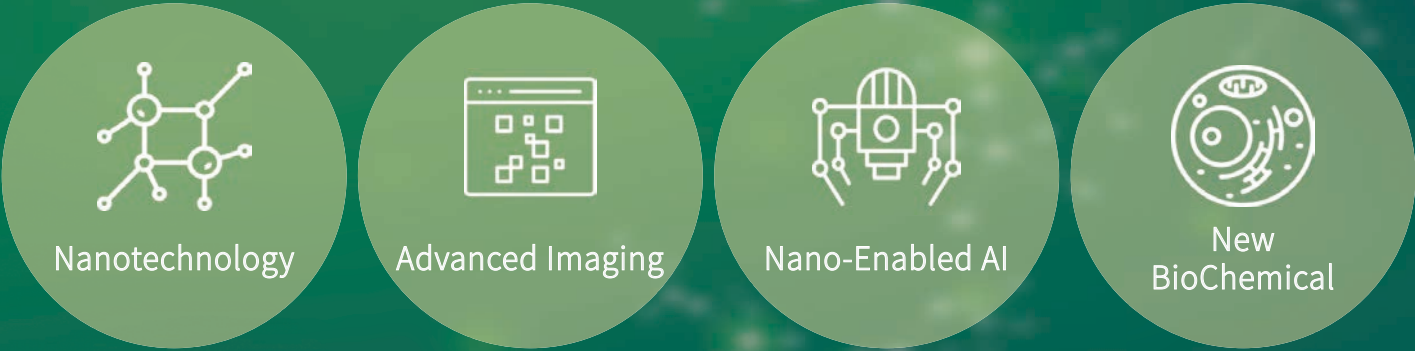
Product Evolution & Roadmap

iMOST® Platform: Versatile and Exceptionally Scalable



What make us different

The **iMOST® (Instant Mobile Self-Test)** platform, the **first of its kind**, is built on **outside-the-box innovation** and a **fundamentally new diagnostic paradigm**. This paradigm is realized through the unique integration of **nanotechnology**, **advanced imaging technology**, and **novel biochemical processes** into diagnostic testing.



United States - Essenlix Corporation
Tel: +1 732-274-1020
Fax: +1 732-274-1021
Email: info@essenlix.com
<http://www.essenlix.com/>

China - Shanghai Essenlix Bio Technology Co., Ltd.
Tel: +86 21 3328-0327
Customer Service: 400-960-1899
Email: info@essenlix.com.cn
<http://www.essenlix.com.cn/>