

Heart Failure POC And LOC Devices Market Analysis Report By Type (Proteomic Testing, Metabolomic Testing), By Technology (Microfluidics), By End-use (Clinics, Home), By Region, And Segment Forecasts, 2025 - 2030

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Abstracts

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Heart Failure POC And LOC Devices Market Growth & Trends

The global heart failure POC and LOC devices market size is expected to reach USD 251.02 million by 2030 and is projected to grow at a CAGR of 15.09% from 2025 to 2030, according to a new report by Grand View Research, Inc. A paradigm shift in diagnostic sectors from late-stage disease detection to early identification of diseases as a viable strategy to curb rising healthcare costs has driven the market. This shift has led to the development of disposable and low-cost LOC devices that integrate various sensors and associated accessories in a single space for detection of the cardiac biomarkers from a single specimen to evaluate the risk of having a heart attack.

Furthermore, the development of predictive modeling techniques-based decision support software to analyze the data measured by the LOC assays for therapy monitoring is one of the key market drivers. Also, ongoing studies on the application of saliva-based nano-biochip tests for measuring myocardial infarction is driving organic revenue growth.

POC testing exhibits potential savings across various settings, including hospitals, general practice, and remote areas. In the U.S., the employment of POC devices resulted in a 20% decrease in hospital admissions to the chest pain unit, resulting in

substantial savings in time and costs.

In the cardiac observation unit (U.S.), the implementation of POC troponin testing helped reduce hospital stays, decrease admission rates, and remove the need for multiple costly procedures, resulting in 25% cost saving per patient. Furthermore, the integration of smartphones and apps in POC diagnostics for managing the cardiac health of an individual is one of the significant innovations in Heart Failure POC & LOC Devices market.

Heart Failure POC And LOC Devices Market Report Highlights

Proteomic analysis includes products that test protein markers, such as troponin, myoglobin, and Creatine Kinase MB Isoenzyme (CK-MB)

This segment accounted for the leading revenue share, as most of the currently available products are based on testing of protein markers

Increasing implementation of microfluidic LOC technology for assessing putative biomarkers has led tthe largest revenue share of this technology

Microfluidic technology has been implemented for various biological applications, such as immunohybridization techniques, enzymatic assays, PCR, and others

Clinics that include physician's office, pharmacy & retail clinics, urgent care clinics, and non-practice clinics are the key revenue generating end-users

A high usage rate of POC devices by general practitioners for rapid investigation, deciding early treatment, timely referral, and less uncertainty for patients has driven the revenue growth through clinics

The U.S. dominated the global Heart Failure POC & LOC devices market owing tthe presence of a substantial number of primary care clinics that are deploying POC cardiac marker test as a measure for early detection of heart failure

Expanding urbanization and increasing geriatric population underpin the demand for robust and improved healthcare services such as POC diagnostics for routine cardiac health monitoring in Asian countries

Moreover, initiatives are undertaken for training young healthcare personnel about POC cardiac troponin T/cardiac troponin I biomarkers. This, in turn, is anticipated result in the surging adoption rate of POC devices in Asian countries

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