

Quantitative Polymerase Chain Reaction (qPCR) Instruments Market Research Reveals Path To \$2.69 Billion By 2030

*The Business Research Company's
Quantitative Polymerase Chain Reaction
(qPCR) Instruments Market Report 2026 –
Market Size, Trends, And Forecast 2026-
2035*

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/EINPresswire.com/ -- "The market for

quantitative polymerase chain reaction (qPCR) instruments has witnessed significant growth recently, driven by advancements in biotechnology and increasing demand for precise genetic analysis. This sector is on track for continued expansion as technological innovations and rising healthcare needs fuel its adoption worldwide. Let's explore the current market size, key growth drivers, regional dominance, and emerging trends shaping the future of qPCR instruments.

Quantum of Growth and Market Size for qPCR Instruments

The [quantitative polymerase chain reaction \(qPCR\) instruments market](#) has experienced rapid growth in recent years. It is projected to increase from \$1.66 billion in 2025 to \$1.83 billion in 2026, reflecting a strong compound annual growth rate (CAGR) of 10.2%. This rise during the historical period is attributed to growing demand for genetic research, a higher incidence of infectious diseases, progress in molecular diagnostics, expansion of biotech and pharmaceutical research activities, and the availability of skilled laboratory personnel.

Download a free sample of the quantitative polymerase chain reaction (qpcr) instruments market report:

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Forecasted Expansion of the [qPCR Instruments Market](#)

Looking ahead, the qPCR instruments market is expected to grow even more rapidly. By 2030, the market size is anticipated to reach \$2.69 billion, maintaining a CAGR of 10.1%. This anticipated growth is driven by increasing utilization of point-of-care diagnostics, broadening molecular testing capabilities in emerging markets, integration of artificial intelligence (AI) and

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cloud-based analytics, growing demand for rapid pathogen identification, and amplified government funding for genomics research. Key trends likely to impact the market include adoption of high-throughput testing, enhanced automation within qPCR processes, miniaturization of devices, demand for multiplexing functions, and development of point-of-care qPCR solutions.

Understanding qPCR Instruments and Their Importance

Quantitative polymerase chain reaction (qPCR) instruments are advanced laboratory tools designed to amplify and simultaneously quantify specific DNA sequences in real time. By tracking the accumulation of DNA during each amplification cycle through fluorescent markers, these devices enable researchers to accurately and sensitively measure DNA amounts. qPCR instruments play a crucial role in molecular biology, clinical diagnostics, and scientific research, supporting applications like gene expression analysis, pathogen detection, and genetic variation studies.

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Infectious Disease Trends Boosting Demand for qPCR Instruments

A major factor propelling the qPCR instruments market is the rising incidence of infectious diseases worldwide. These illnesses, caused by bacteria, viruses, fungi, or parasites, spread through various transmission routes and have become more prevalent due to increased global travel, which accelerates pathogen dissemination across borders. qPCR instruments contribute significantly to the fight against infectious diseases by providing rapid, sensitive, and precise pathogen detection, which aids timely diagnosis and effective treatment. For example, data from February 2024 by GOV.UK highlights an increase in tuberculosis (TB) cases in England from 4,380 in 2022 to 4,850 in 2023, underscoring the need for efficient diagnostic solutions like qPCR.

Additional Factors Encouraging Market Growth for qPCR Instruments

Besides infectious diseases, other growth drivers include advancements in molecular diagnostics and expansion of biotechnology and pharmaceutical research sectors. The availability of a skilled laboratory workforce has also supported market development by enabling efficient operation and utilization of qPCR technology. Increasing government funding for genomics and personalized medicine initiatives further strengthens the market outlook.

Regional Market Leadership and Emerging Growth Areas in qPCR Instruments

In 2025, North America held the largest share of the [global quantitative polymerase chain reaction \(qPCR\) instruments market](#). However, the Asia-Pacific region is anticipated to be the fastest-growing market during the forecast period. The market study encompasses various regions such as Asia-Pacific, South East Asia, Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa, providing a comprehensive global perspective on the

qPCR instrument industry's trends and potential.

Key enhancements in our 2026 market reports include:

- Market attractiveness scoring and analysis
- Total addressable market (TAM) analysis
- Company scoring matrix graphics and tables
- Excel-based forecasting dashboards
- Market hotspots infographics
- Key technologies and future trend analysis
- Updated graphics and tables

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