

Polymerase Chain Reactions (PCR) Devices, Reagents And Uses Market Highlights Growth To \$9.84 Billion By 2030 At 9% CAGR

*The Business Research Company's
Polymerase Chain Reactions (PCR)
Devices, Reagents And Uses Global
Market Report 2026 – Market Size, And
Forecast 2026-2035*

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/EINPresswire.com/ -- The polymerase

chain reactions (PCR) devices, reagents, and uses market has witnessed notable growth over recent years, driven by advancements in medical research and diagnostics. As the demand for precise and rapid genetic analysis continues to rise, this market is set to expand further. Let's explore the market's current size, key growth drivers, regional insights, and the factors shaping its future trajectory.



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Growth Outlook and Market Size of the [Polymerase Chain Reactions \(PCR\) Devices, Reagents and Uses Market](#)

The PCR devices, reagents, and uses market has demonstrated strong momentum, with its size expected to increase from \$6.51 billion in 2025 to \$6.97 billion in 2026, reflecting a compound annual growth rate (CAGR) of 7.2%. This upward trend during the historical period was largely fueled by infectious disease outbreaks, a surge in genomics research, expansion of clinical diagnostic laboratories, high demand for COVID-19 testing, and widespread adoption of molecular biology methods. Looking ahead, the market is projected to grow significantly, reaching \$9.84 billion by 2030 at a CAGR of 9.0%. This forecasted growth is supported by the rising importance of personalized medicine, increasing cancer diagnostics, broader genetic screening efforts, enhanced research funding, and the growing need for rapid diagnostic tools. Key trends anticipated in the coming years include heightened demand for molecular diagnostics, expanded infectious disease testing, greater use of real-time PCR, increased research-oriented PCR applications, and the miniaturization of PCR instruments.

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Understanding PCR Technology and Its Applications

PCR devices and reagents serve as essential tools for scientists aiming to replicate specific segments of DNA in large quantities. The process involves targeting a particular genome segment using short synthetic DNA pieces called primers, followed by multiple cycles of DNA synthesis that amplify the chosen fragment. This technique is fundamental in various fields, including genetics, diagnostics, and biomedical research, enabling precise analysis and testing.

Factors Accelerating Growth in the Polymerase Chain Reactions (PCR) Devices, Reagents and Uses Market

One of the primary drivers of market expansion is the growing prevalence of infectious diseases worldwide. These illnesses, caused by bacteria, viruses, fungi, or parasites, can spread through direct or indirect contact among individuals. Increasing global travel has accelerated the transmission of pathogens across borders, raising infection rates. PCR devices and reagents play a critical role in detecting these pathogens quickly and accurately, improving laboratory efficiency and allowing timely diagnosis and effective treatment management. For example, in February 2024, the UK Health Security Agency reported a 10.7% rise in tuberculosis cases in England, reaching 4,850 in 2023 compared to 4,380 in 2022. Such trends highlight the expanding need for PCR technology in managing infectious diseases.

View the full polymerase chain reactions (pcr) devices, reagents and uses market report:

https://www.thebusinessresearchcompany.com/report/polymerase-chain-reactions-devices-reagents-and-uses-global-market-report?utm_source=EINPresswire&utm_medium=Paid&utm_campaign=Aug_PR

Additional Factors Contributing to Market Expansion

Besides infectious disease diagnosis, the growing emphasis on personalized medicine and genetic testing is another significant growth driver. Enhanced funding for research and advancements in molecular biology techniques are also fostering increased adoption of PCR devices and reagents across clinical and research settings. Rapid diagnostics and real-time PCR are becoming the preferred choices for many applications, further fueling market growth.

Regional Market Insights for the Polymerase Chain Reactions (PCR) Devices, Reagents and Uses Sector

In 2025, North America led the global market for PCR devices and reagents, holding the largest regional share. Western Europe secured the second position in terms of market size. The comprehensive market analysis also encompasses other important regions such as Asia-Pacific, South East Asia, Eastern Europe, South America, the Middle East, and Africa, offering a detailed global perspective on market trends and growth opportunities.

New strategic additions 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, along with updated graphics and tables.

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