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PCR Technologies Market by Product (Instruments, Reagents & Consumables, Software), Application (Genotyping, Diagnostic Applications), Technique (Reverse Transcription PCR, qPCR), End-user (Hospital Labs, Diagnostic Labs) - Global Forecasts to 2030

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Abstracts

The PCR technologies market is projected to reach USD 21.89 Billion by 2030 from USD 14.61 in 2024, growing at a CAGR of 7.0% during the forecast period. The market is growing due to numerous factors.Increasing cases of infectious diseases, and regular advancements in PCR technologies drives this market. Rising expenditure in research and development and increase in application of biomarker profiling to detect diseases are other factors. Additionally, the market growth is affected by inclusion of PCR technology with artificial intelligence.

“qPCR to account for largest market share in 2023.”

A variant of the Polymerase Chain Reaction (PCR) called quantitative PCR (qPCR), sometimes referred to as real-time PCR, enables the simultaneous amplification and quantification of a particular DNA or RNA sequence. qPCR tracks the reaction in real time as it develops and provides quantitative information on the amount of target nucleic acid, in contrast to traditional PCR, which only identifies the presence of genetic material after the reaction is finished. The market is driven by the rising demand for qPCR instruments, the increasing prevalence of illnesses, and technical advances. Moreover, qPCR is a very specific and sensitive method for identifying and measuring nucleic acids, which makes it necessary for the diagnosis of infectious disorders.

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“Diagnostic Laboratories to hold largest share in the market.”

Various significant factors are propelling the growth of hospitals and diagnostic centers in the microfluidics industry. One important factor is the rising requirement for point-of-care diagnostics, as they provides quick, on-site testing that improves patient outcomes. Moreover, the requirement for efficacious diagnostics in clinical settings has risen due to the increase in infectious diseases like COVID-19. These equipment decrease cost, expedites testing methods, and improve precision and accuracy of diagnosis. Diagnostic labs require PCR identify and diagnose a variety of illnesses. These labs use PCR extensively because of its precision, sensitivity, and speed in diagnosing genetic abnormalities, and infectious diseases.

'North America to register largest share in 2023.'

The largest share was hold by North America in 2023. North America comprise US and Canada.

The growth is supported by increase in drug development associated with genomics. Apart from that, government led initiatives and increase in funding and grants supports growth. The region also has strong presence of prominent players who support the growth of this market by carrying out strategic partnerships, collaborations, expansion and acquisitions. Wide application of PCR methods in hospitals and diagnostic labs of this region is also increasing the demand for microfluidics in North America.

A breakdown of the primary participants referred to for this report is provided below:

By Company Type: Tier 1–35%, Tier 2–45%, and Tier 3– 20%

By Designation: C-level-- 35%, Director-level–25%, and Others–40%

By Region: North America–40%, Europe-30%, Asia Pacific–20%, Latin America-5%, Middle East and Africa- 5%

Prominent players in the PCR technologies market include F. Hoffman-La Roche Ltd. (Switzerland), Thermo Fisher Scientific, Inc. (US), Bio-Rad Laboratories, Inc. (US), QIAGEN (Germany), Sansure Biotech Inc. (China) Becton, Dickinson and Company (US) and Analytik Jena AG (Germany), Takara Bio, Inc. (Japan), Agilent Technologies, Inc. (US), Standard Biotools (US), Danaher Corporation (US), Abbott Laboratories (US),

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Merck KGaA (Germany), Illumina, Inc. (US), Bioneer Corporation (South Korea), PerkinElmer Inc. (US), Hologic Inc. (US),.

Research Coverage

The report comprise segmentation that includes end users, products, applications, and geographic regions. It also discusses the key drivers, restraints, opportunities, and challenges affecting the growth of the PCR technologies market. The research offers stakeholders an assessment of market potential and challenges, with a focus on key players and competitive landscapes. Additionally, micromarkets are assessed according to their overall to the microfluidics sector, growth patterns, and potential. The analysis estimates increase in market segment revenues, focusing on five regions.

Key Benefits of Buying the Report:

This research aids new and existing players in the PCR technologies market to assess the sustainability of their investments by offering detailed information. It offers a dataset to assist in making key decisions. The main advantage of this report includes risk evaluation and offering direction for investment decisions. Market segmentation as per the end-users and geographical areas is offered in the study, that provides analysis and insights. It also provides trends, obstacles, opportunities, and drivers, giving stakeholders the information they need to make strategic decisions.

The report provides the insights on the following pointers:

Analysis of the key drivers, restraints, opportunities, and challenges impacting the PCR technologies market growth: advanced technology and rise in prevalence of infectious diseases ; premium price of devices and strict regulations ; rise in number of diagnostic centers/labs.

Product Development/Innovation: Overview of technologies, research & development ventures and launch of innovative product & service for the microfluidics industry.

Market Development: Details related to profitable markets: this research discussees the PCR technologies business in numerous regions.

Market Diversification: Detailed understanding of advanced products, unexplored areas, latest developments, and investment in the market.

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Competitive Assessment: Detailed analysis of market share, services and products offered and key strategies adopted by prominent players such as Danaher Corporation (US), Agilent Technologies, Inc. (US), biomerieux (France), Thermo Fisher Scientific Inc. (US) and Abbott laboratories (US).

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