
Description:

Polymerase chain reaction (PCR) enables DNA sequencing and helps in determining the order of its building blocks. PCR finds applications in disease diagnosis, forensic sciences, and identification of bacteria and viruses. PCR is an excellent technique for rapid detection of microbial contamination and pathogens, including those complicated to culture. These techniques are precise and robust methods that rely on polymerase enzyme to amplify trace amounts of DNA/RNA fragments by creating several identical or near-identical copies. The demand for greater efficiency and productivity in the pharmaceutical industry has led to the growth of this market.

The report on the global PCR Market studies the global PCR market in terms of products, end-users, applications and geography. Each of these segments has been analyzed in detail for market trends, recent developments, outlook and opportunities and various applications. The report provides the market size in terms of value (USD million) for each segment and sub-segment for the period from 2012 to 2020, considering the macro- and micro environmental factors. In addition, the compounded annual growth rate (CAGR) of the overall market and the segments has also been included in the report for the forecast period from 2014 to 2020, considering 2012 and 2013 as the base years.

The PCR products studied in this report include instruments, and reagents and consumables. Instruments are further classified by type such as standard PCR, quantitative real time PCR (qPCR) and digital PCR (dPCR). Pharmaceutical and biotech industries, clinical diagnostic laboratories, hospitals, academics and public research organizations are the major end-users of the global PCR market. PCR Applications segment has been further categorized as clinical diagnostics, life sciences and others such as forensic sciences, agriculture and nanotoxicity studies.

Geographically, the market has been segmented into four regions: North America, Europe, Asia Pacific and Rest of the World (RoW). The market size and forecast in terms of value (USD Million) for each of these regions along with the CAGR for the forecast period from 2014 to 2020 have been provided in the report. A detailed qualitative analysis of the major factors determining market dynamics such as drivers, restraints and opportunities, along with the market attractiveness analysis are discussed in the market overview section of the report. The study provides a list of recommendations for new companies willing to enter the market and for existing companies to increase market shares, which is likely to help in the decision-making process. Event impact analysis has also been provided in this report that will help in understanding the major events impacting the PCR market growth.

The study is a robust combination of primary and secondary research. Primary research formed the bulk of our research efforts with information collected from telephonic interviews and interaction via e-mails. Secondary research involved study of company websites, annual reports, press releases, stock analysis presentations, and various international and national databases for patents, clinical trials, demographics, disease incidence/prevalence, etc. For estimating the market size in terms of value, revenue generation by the PCR instruments, and reagents and reaction consumables has been considered. Most of the leading players in the PCR market manufacture both consumables as well as instruments. The level of product differentiation plays a major role in determining the market position of these players. Several players are trying to enter and establish themselves in the PCR market, especially in emerging economies. Major players operating in this market are Affymetrix, Inc., Agilent Technologies, Inc., Sigma Aldrich Corporation, Abbott Laboratories, Beckman Coulter, Bio-Rad Laboratories, GE Healthcare, QIAGEN, Becton Dickinson & Company and Thermo Fischer Scientific.

The global PCR market is segmented as follows:

Global PCR Market Revenue (USD Million), by Products
- Instruments
  - Standard PCR Systems
  - Real Time PCR Systems
  - Digital PCR Systems
- Reagents and Consumables
Global PCR Market Revenue (USD Million), by End-Users
Pharmaceutical and Biotechnology Industries
Clinical Diagnostics Labs and Hospitals
Academic and Research Organizations

Global PCR Market Revenue (USD Million), by Applications
Clinical Diagnostics
Life Sciences
Others

Global PCR Market Revenue (USD Million), by Geography
North America
  Instruments
  Reagents and Consumables
  - Europe
    Instruments
    Reagents and Consumables
  - Asia Pacific
    Instruments
    Reagents and Consumables
  - Rest of World
    Instruments
    Reagents and Consumables

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