

Competent Cells Market by Type (Chemically, Electrocompetent), Application (Subcloning, Phage Display Library Production, Unstable DNA Cloning, High-Throughput Cloning, Mutagenesis), End User (Pharmaceutical Companies, Academia) - Global Forecast to 2022

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Abstracts

The global competent cells market is projected to reach USD 2.22 billion by 2022 from USD 1.37 billion in 2017, at a CAGR of 10.2%. Advancements in molecular cloning research due to the emergence of new technologies and the growing commercial demand for molecular cloned products and recombinant proteins are some the key factors driving the growth of this market. On the other hand, increasing market consolidation creating strong entry barriers and high cost of competent cells kits are restraining the growth of this market.

The electrocompetent cells segment is expected to register the highest CAGR during the forecast period

The competent cells market is classified on the basis of type into chemically competent cells and electrocompetent cells. Electrocompetent cells are expected to grow at the highest CAGR during the forecast period. Electrocompetent cells offer high transformation efficiencies, making them suitable for many molecular biology applications such as the generation of cDNA libraries or constructing gene banks.

Increasing intensity of research and technological advancements drives growth of the other applications segment

Based on application, the global competent cells market is broadly segmented into cloning, protein expression, and other applications. The other applications segment is expected to register the highest CAGR during the forecast period. This segment comprises of mutagenesis, single-stranded DNA production, lentiviral vector production, and large plasmid transformation. The growth in this segment is primarily attributed to increasing intensity of research and technological advancements.

Pharmaceutical & biotechnology companies segment is expected to witness the highest growth

The competent cells market is classified on the basis of end users into academic research institutes, contract research organizations (CROs), and pharmaceutical & biotechnology companies. Pharmaceutical & biotechnology companies are expected to grow at the highest CAGR during the forecast period. This is primarily due to the rising investments in research for developing genomics and proteomics-based products.

North America to account for the largest share of the market

Geographically, the competent cells market is dominated by North America, followed by Europe. The North American region is estimated to account for the largest share in 2017, and the trend is expected to continue during the forecast period. The growth in this market can be attributed to the presence of major key players in the region, technological advancements, growth in the biotechnology and pharmaceutical industries, and increasing inclination towards research based on genomics and proteomics.

The primary interviews conducted for this report can be categorized as follows:

By Company Type - Tier 1 – 25 %, Tier 2 – 35% and Tier 3 – 40%

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

By Region – North America - 43%, Europe – 19%, APAC – 29%, RoW – 9%

Key players operating in the competent cells market include Thermo Fisher Scientific, Inc. (U.S.), Merck KGaA (Germany), GenScript Biotech Corporation (China), Agilent Technologies, Inc. (U.S.), Takara Bio, Inc. (Japan), Promega Corporation (U.S.), Bio-Rad Laboratories, Inc. (U.S.), QIAGEN N.V. (Netherlands), and New England Biolabs,

Inc. (U.S.).

Study Coverage:

The report analyses the competent cells market by type, application, end user, and region. Apart from comprehensive geographic and product analysis and market sizing, the report also provides the competitive landscape that covers the growth strategies adopted by industry players over the last three years. In addition, the report profiles companies with product portfolios, developments, and strategies adopted by key players to maintain and increase their shares in the market. The above-mentioned market research data, market size, and forecast of the future trends will help key market players and new entrants to make the necessary decisions to be successful in the market.

Benefits of Buying this Report:

This report will enable both established firms as well as new entrants/smaller firms gauge the pulse of the market, which in turn will help these firms garner greater market shares. Firms purchasing the report can use any one or a combination of the five strategies mentioned below to strengthen their market shares.

The report provides insights on the following strategies:

Market Penetration: Comprehensive information on the product portfolios of the top players in the competent cells market. The report analyzes the competent cells market by type, application, and end user

Competitive Assessment: In-depth assessment of the market strategies, geographic and business segments, and product portfolios of the leading players in the competent cells market

Market Development: Comprehensive information about emerging markets. This report analyzes the market for various competent cell products across geographies

Market Diversification: Exhaustive information about new products, untapped geographies, recent developments, and investments in the competent cells market

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