3D Cell Culture Market - Global Forecast to 2021

Description:

The global 3D cell culture market size is expected to reach USD 1345.2 million by 2021 from USD 466.8 million in 2016, at a CAGR of 23.6%. The global 3D cell culture market is segmented based on technology, application, end user, and region. The scaffold-based segment is expected to register the highest growth rate in the 3D cell culture market, by technology, during the forecast period. The high growth in this segment is attributed to the variety of material and structural choices for scaffold, due to which they are most preferred in various applications.

Based on end users, the 3D cell culture market is segmented into research laboratories & institutes, biotechnology & pharmaceutical industries, and hospitals & diagnostic centers. The biotechnology & pharmaceutical industries segment is expected to account for the largest share of the market in 2016. Increasing prevalence of cancer cases and the need for development of advanced drugs and therapies will drive the growth of this market.

Geographically, the 3D cell culture market is dominated by North America, followed by Europe, Asia-Pacific, and Rest of the World (RoW). Growth in the North American segment is primarily driven by rising incidences of cancer, increasing government support in the form of grants and funding, expanding bio pharmaceutical industry, and launch of new products in the market.

The major factors contributing to the growth of the 3D cell culture market include increasing incidences of cancer, growing awareness regarding the benefits of 3D cell culture, rising regulatory approvals for cell culture-based vaccines, funding for cell-based research, and technological advancements. On the other hand, high cost of cell biology research and lack of infrastructure for cell-based research in emerging economies are the major factors restraining the growth of this market. The high growth potential in the Asia-Pacific region provides growth opportunities to players in the 3D cell culture market.

Apart from comprehensive geographic and product analysis and market sizing, the report also provides a competitive landscape that covers the growth strategies adopted by industry players over the last three years. In addition, the company profiles comprise the product portfolios, developments, and strategies adopted by the market players to maintain and increase their shares in the market. The above-mentioned market research data, current market size, and forecast of the future trends will help key market players and new entrants to make the necessary decisions regarding product offerings, geographic focus, change in strategic approach, and levels of output in order to remain successful in the 3D cell culture market.

The major players in this market include 3D Biotek LLC (U.S.), Becton, Dickinson and Company (U.S.), Corning Incorporated (U.S.), Thermo Fisher Scientific (U.S.), Global Cell Solutions, Inc. (U.S.), Kuraray Co. Ltd. (Japan), Lonza Group (Switzerland), Merck & Co., Inc. (U.S.), Sigma Aldrich Corporation (U.S.), Reinnervate Ltd, (a subsidiary of ReproCELL) (U.K.), and others.

Reasons to Buy the Report:

This report will enable both established firms as well as new entrants/smaller firms to 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 below-mentioned five strategies (market penetration, product development/innovation, market development, market diversification, and competitive assessment) for strengthening their market shares.

The report provides insights on the following pointers:

- Market Penetration: Comprehensive information on the product portfolios of the top players in the 3D cell culture market
- Product Development/Innovation: Detailed insights on the upcoming technologies, R&D activities, and new
product launches in the 3D cell culture market

- Competitive Assessment: In-depth assessment of the market strategies, geographic and business segments, and product portfolios of the leading players in the 3D cell culture market

- Market Development: Comprehensive information about emerging markets

- Market Diversification: Exhaustive information about untapped geographies, recent developments, and investments in the 3D cell culture market

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