

Cell Separation Technologies Market: Global Industry Analysis, Trends, Market Size, and Forecasts up to 2030

Market Report | 2023-10-09 | 255 pages | Infinium Global Research and Consulting Solutions

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Report description:

The report on the global cell separation technologies market provides qualitative and quantitative analysis for the period from 2021-2030. The global cell separation technologies market was valued at USD 8.37 billion in 2022 and is expected to reach USD 19.99 billion in 2030, with a CAGR of 9.91% during the forecast period 2023-2030. The study on cell separation technologies market covers the analysis of the leading geographies such as North America, Europe, Asia Pacific, and RoW for the period of 2021-2030.

Cell separation technologies, also known as cell sorting or cell isolation, are essential tools in the field of biology and medicine. These techniques enable researchers and clinicians to separate specific types of cells from a heterogeneous mixture, such as blood, tissue samples, or cell cultures, based on various distinguishing characteristics, including size, surface markers, or physical properties. Additionally, the scope of cell separation technologies lies in advancing cancer research and therapy. By isolating and studying cancer cells, researchers can gain deeper insights into the molecular mechanisms of cancer development and progression. Additionally, cell separation plays a crucial role in personalized medicine approaches for cancer treatment. It allows for the isolation of Circulating Tumor Cells (CTCs) from a patient's blood, providing valuable information about the tumor's genetic mutations and helping clinicians tailor treatment strategies to the individual patient's needs. Furthermore, the isolation of specific immune cell populations using these technologies is instrumental in developing immunotherapies, which harness the body's own immune system to target and eliminate cancer cells. Overall, cell separation technologies hold significant promise in revolutionizing cancer diagnosis and treatment, ultimately improving patient outcomes.

The increasing occurrence of chronic diseases and increasing incidences of neurodegenerative diseases are the major factors that drive the growth of the global cell separation technologies market across the globe. Growth in cell therapy-based research activities and growth in government spending in the biotechnology area are the other factors that fuel the growth of the market. Furthermore, technological developments in cell-based technology such as cell isolations, time and cost-effectiveness also fuel the global cell separation market during the forecast period. However, the lack of skilled healthcare professionals and regulatory issues may hamper the growth of the global cell separation technologies market. Moreover, the rising demand for stem cells in stem cell therapy creates an opportunity for the growth of the global cell separation technologies market in the next few years. North America is leading the global cell separation technologies market and is expected to hold the largest market shares in the

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global market during the forecast period. This is attributed to improved research infrastructure. Also, the rise in government funding in the life science arena fuels the growth of the market in the North America region. The Asia-Pacific is anticipated to witness the fastest growth during the forecast period due to increasing awareness of chronic diseases and growth in government initiatives to improve cell-based technology. Improving healthcare infrastructure also boosts the growth of the market in the Asia-Pacific region. India and China are projected to be the fastest-growing cell separation technologies markets in the Asia-Pacific region.

Report Findings

1) Drivers

- Increasing occurrence of chronic diseases and increasing incidences of neurodegenerative diseases drives the market.
- Technological developments in cell-based technology is fuelling the global cell separation technologies market.

2) Restraints

- The lack of skilled healthcare professionals and regulatory issues may hamper the growth of market.

3) Opportunities

- The rising demand for stem cells in stem cell therapy creates an opportunity for the growth of the global cell separation technologies market.

Research Methodology

A) Primary Research

Our primary research involves extensive interviews and analysis of the opinions provided by the primary respondents. The primary research starts with identifying and approaching the primary respondents, the primary respondents are approached include

1. Key Opinion Leaders associated with Infinium Global Research
2. Internal and External subject matter experts
3. Professionals and participants from the industry

Our primary research respondents typically include

1. Executives working with leading companies in the market under review
2. Product/brand/marketing managers
3. CXO level executives
4. Regional/zonal/ country managers
5. Vice President level executives.

B) Secondary Research

Secondary research involves extensive exploring through the secondary sources of information available in both the public domain and paid sources. At Infinium Global Research, each research study is based on over 500 hours of secondary research accompanied by primary research. The information obtained through the secondary sources is validated through the crosscheck on various data sources.

The secondary sources of the data typically include

1. Company reports and publications
2. Government/institutional publications
3. Trade and associations journals
4. Databases such as WTO, OECD, World Bank, and among others.
5. Websites and publications by research agencies

Segment Covered

The global cell separation technologies market is segmented on the basis of technology, application, and end user.

The Global Cell Separation Technologies Market by Technology

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- Immunomagnetic Cell Separation
- Fluorescence-activated Cell Sorting
- Microfluidic Cell Separation
- Others

The Global Cell Separation Technologies Market by Application

- Stem Cell Research
- Immunology
- Cancer Research
- Others

The Global Cell Separation Technologies Market by End User

- Biotechnology and Pharmaceutical Companies
- Hospitals and Diagnostic Laboratories
- Others

Company Profiles

The companies covered in the report include

- Terumo BCT, Inc.
- STEMCELL Technologies
- Merck KGaA
- Thermo Fisher Scientific Inc.
- BD
- DH Life Sciences, LLC.
- Bio-Rad Laboratories, Inc.
- GenScript
- Miltenyi Biotec
- Others

What does this Report Deliver?

1. Comprehensive analysis of the global as well as regional markets of the cell separation technologies market.
2. Complete coverage of all the segments in the cell separation technologies market to analyze the trends, developments in the global market and forecast of market size up to 2030.
3. Comprehensive analysis of the companies operating in the global cell separation technologies market. The company profile includes analysis of product portfolio, revenue, SWOT analysis and latest developments of the company.
4. IGR- Growth Matrix presents an analysis of the product segments and geographies that market players should focus to invest, consolidate, expand and/or diversify.

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