

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

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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.

Table of Contents:

Table of Content

Chapter 1. Preface

- 1.1. Report Description
- 1.2. Research Methods
- 1.3. Research Approaches

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Chapter 2. Executive Summary

- 2.1. Cell Separation Technologies Market Highlights
- 2.2. Cell Separation Technologies Market Projection
- 2.3. Cell Separation Technologies Market Regional Highlights

Chapter 3. Global Cell Separation Technologies Market Overview

- 3.1. Introduction
- 3.2. Market Dynamics
 - 3.2.1. Drivers
 - 3.2.2. Restraints
 - 3.2.3. Opportunities
- 3.3. Porter's Five Forces Analysis
- 3.4. IGR-Growth Matrix Analysis
 - 3.4.1. IGR-Growth Matrix Analysis by Technology
 - 3.4.2. IGR-Growth Matrix Analysis by Application
 - 3.4.3. IGR-Growth Matrix Analysis by End User
 - 3.4.4. IGR-Growth Matrix Analysis by Region
- 3.5. Value Chain Analysis of Cell Separation Technologies Market

Chapter 4. Cell Separation Technologies Market Macro Indicator Analysis

Chapter 5. Company Profiles and Competitive Landscape

- 5.1. Competitive Landscape in the Global Cell Separation Technologies Market
- 5.2. Companies Profiles
 - 5.2.1. Terumo BCT, Inc.
 - 5.2.2. STEMCELL Technologies
 - 5.2.3. Merck KGaA
 - 5.2.4. Thermo Fisher Scientific Inc.
 - 5.2.5. BD
 - 5.2.6. DH Life Sciences, LLC.
 - 5.2.7. Bio-Rad Laboratories, Inc.
 - 5.2.8. GenScript
 - 5.2.9. Miltenyi Biotec
 - 5.2.10. Others

Chapter 6. Global Cell Separation Technologies Market by Technology

- 6.1. Immunomagnetic Cell Separation
- 6.2. Fluorescence-activated Cell Sorting
- 6.3. Microfluidic Cell Separation
- 6.4. Others

Chapter 7. Global Cell Separation Technologies Market by Application

- 7.1. Stem Cell Research
- 7.2. Immunology
- 7.3. Cancer Research
- 7.4. Others

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Chapter 8. Global Cell Separation Technologies Market by End User

8.1. Biotechnology and Pharmaceutical Companies

8.2. Hospitals and Diagnostic Laboratories

8.3. Others

Chapter 9. Global Cell Separation Technologies Market by Region 2023-2030

9.1. North America

9.1.1. North America Cell Separation Technologies Market by Technology

9.1.2. North America Cell Separation Technologies Market by Application

9.1.3. North America Cell Separation Technologies Market by End User

9.1.4. North America Cell Separation Technologies Market by Country

9.1.4.1. The U.S. Cell Separation Technologies Market

9.1.4.1.1. The U.S. Cell Separation Technologies Market by Technology

9.1.4.1.2. The U.S. Cell Separation Technologies Market by Application

9.1.4.1.3. The U.S. Cell Separation Technologies Market by End User

9.1.4.2. Canada Cell Separation Technologies Market

9.1.4.2.1. Canada Cell Separation Technologies Market by Technology

9.1.4.2.2. Canada Cell Separation Technologies Market by Application

9.1.4.2.3. Canada Cell Separation Technologies Market by End User

9.1.4.3. Mexico Cell Separation Technologies Market

9.1.4.3.1. Mexico Cell Separation Technologies Market by Technology

9.1.4.3.2. Mexico Cell Separation Technologies Market by Application

9.1.4.3.3. Mexico Cell Separation Technologies Market by End User

9.2. Europe

9.2.1. Europe Cell Separation Technologies Market by Technology

9.2.2. Europe Cell Separation Technologies Market by Application

9.2.3. Europe Cell Separation Technologies Market by End User

9.2.4. Europe Cell Separation Technologies Market by Country

9.2.4.1. Germany Cell Separation Technologies Market

9.2.4.1.1. Germany Cell Separation Technologies Market by Technology

9.2.4.1.2. Germany Cell Separation Technologies Market by Application

9.2.4.1.3. Germany Cell Separation Technologies Market by End User

9.2.4.2. United Kingdom Cell Separation Technologies Market

9.2.4.2.1. United Kingdom Cell Separation Technologies Market by Technology

9.2.4.2.2. United Kingdom Cell Separation Technologies Market by Application

9.2.4.2.3. United Kingdom Cell Separation Technologies Market by End User

9.2.4.3. France Cell Separation Technologies Market

9.2.4.3.1. France Cell Separation Technologies Market by Technology

9.2.4.3.2. France Cell Separation Technologies Market by Application

9.2.4.3.3. France Cell Separation Technologies Market by End User

9.2.4.4. Italy Cell Separation Technologies Market

9.2.4.4.1. Italy Cell Separation Technologies Market by Technology

9.2.4.4.2. Italy Cell Separation Technologies Market by Application

9.2.4.4.3. Italy Cell Separation Technologies Market by End User

9.2.4.5. Rest of Europe Cell Separation Technologies Market

9.2.4.5.1. Rest of Europe Cell Separation Technologies Market by Technology

9.2.4.5.2. Rest of Europe Cell Separation Technologies Market by Application

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- 9.2.4.5.3. Rest of Europe Cell Separation Technologies Market by End User
- 9.3. Asia Pacific
 - 9.3.1. Asia Pacific Cell Separation Technologies Market by Technology
 - 9.3.2. Asia Pacific Cell Separation Technologies Market by Application
 - 9.3.3. Asia Pacific Cell Separation Technologies Market by End User
 - 9.3.4. Asia Pacific Cell Separation Technologies Market by Country
 - 9.3.4.1. China Cell Separation Technologies Market
 - 9.3.4.1.1. China Cell Separation Technologies Market by Technology
 - 9.3.4.1.2. China Cell Separation Technologies Market by Application
 - 9.3.4.1.3. China Cell Separation Technologies Market by End User
 - 9.3.4.2. Japan Cell Separation Technologies Market
 - 9.3.4.2.1. Japan Cell Separation Technologies Market by Technology
 - 9.3.4.2.2. Japan Cell Separation Technologies Market by Application
 - 9.3.4.2.3. Japan Cell Separation Technologies Market by End User
 - 9.3.4.3. India Cell Separation Technologies Market
 - 9.3.4.3.1. India Cell Separation Technologies Market by Technology
 - 9.3.4.3.2. India Cell Separation Technologies Market by Application
 - 9.3.4.3.3. India Cell Separation Technologies Market by End User
 - 9.3.4.4. South Korea Cell Separation Technologies Market
 - 9.3.4.4.1. South Korea Cell Separation Technologies Market by Technology
 - 9.3.4.4.2. South Korea Cell Separation Technologies Market by Application
 - 9.3.4.4.3. South Korea Cell Separation Technologies Market by End User
 - 9.3.4.5. Australia Cell Separation Technologies Market
 - 9.3.4.5.1. Australia Cell Separation Technologies Market by Technology
 - 9.3.4.5.2. Australia Cell Separation Technologies Market by Application
 - 9.3.4.5.3. Australia Cell Separation Technologies Market by End User
 - 9.3.4.6. Rest of Asia-Pacific Cell Separation Technologies Market
 - 9.3.4.6.1. Rest of Asia-Pacific Cell Separation Technologies Market by Technology
 - 9.3.4.6.2. Rest of Asia-Pacific Cell Separation Technologies Market by Application
 - 9.3.4.6.3. Rest of Asia-Pacific Cell Separation Technologies Market by End User
- 9.4. RoW
 - 9.4.1. RoW Cell Separation Technologies Market by Technology
 - 9.4.2. RoW Cell Separation Technologies Market by Application
 - 9.4.3. RoW Cell Separation Technologies Market by End User
 - 9.4.4. RoW Cell Separation Technologies Market by Sub-region
 - 9.4.4.1. Latin America Cell Separation Technologies Market
 - 9.4.4.1.1. Latin America Cell Separation Technologies Market by Technology
 - 9.4.4.1.2. Latin America Cell Separation Technologies Market by Application
 - 9.4.4.1.3. Latin America Cell Separation Technologies Market by End User
 - 9.4.4.2. Middle East Cell Separation Technologies Market
 - 9.4.4.2.1. Middle East Cell Separation Technologies Market by Technology
 - 9.4.4.2.2. Middle East Cell Separation Technologies Market by Application
 - 9.4.4.2.3. Middle East Cell Separation Technologies Market by End User
 - 9.4.4.3. Africa Cell Separation Technologies Market
 - 9.4.4.3.1. Africa Cell Separation Technologies Market by Technology
 - 9.4.4.3.2. Africa Cell Separation Technologies Market by Application
 - 9.4.4.3.3. Africa Cell Separation Technologies Market by End User

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