

Cell Separation Technology Market Size, Trends, Analysis, and Outlook By Product (Instruments, Consumables), By Technology (Gradient Centrifugation, Surface Markers Separation, Fluorescence activated cell sorting, Magnetic cell sorting, Filtration Based Separation), By Application (Oncology Research, Neuroscience Research, Stem Cell Research, Microbiology, Immunology Research, Others), By End-User (Research laboratories & Institute, Biotechnology & Biopharmaceutical Companies, Cell Banks), by Region, Country, Segment, and Companies, 2024-2030

<https://marketpublishers.com/r/CD4715B5736CEN.html>

Date: March 2024

Pages: 190

Price: US\$ 3,980.00 (Single User License)

ID: CD4715B5736CEN

Abstracts

The global Cell Separation Technology market size is poised to register 10.4% growth from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Cell Separation Technology market across By Product (Instruments, Consumables), By Technology (Gradient Centrifugation, Surface Markers Separation, Fluorescence activated cell sorting, Magnetic cell sorting, Filtration Based Separation), By Application (Oncology Research, Neuroscience Research, Stem Cell Research, Microbiology, Immunology Research, Others), By End-User (Research laboratories & Institute, Biotechnology & Biopharmaceutical Companies, Cell Banks).

The Cell Separation Technology Market is experiencing notable growth and

technological advancement in 2024 and beyond, driven by the increasing demand for cell isolation methods, cell sorting techniques, and cell enrichment strategies used in basic research, clinical diagnostics, and therapeutic applications that require efficient, reliable, and scalable separation of target cells, rare cells, or specific cell populations from complex mixtures, heterogeneous samples, or biological fluids for downstream analysis, molecular profiling, or therapeutic manipulation in biomedical laboratories, academic research institutes, and clinical settings worldwide. Cell separation technologies encompass a variety of physical, biochemical, and immunological methods for isolating cells based on their size, shape, density, or surface markers, including centrifugation, filtration, magnetic cell sorting, fluorescence-activated cell sorting (FACS), and microfluidic sorting platforms, as well as novel technologies such as acoustic wave separation, dielectrophoresis, and optoelectronic tweezers that enable label-free, non-invasive, or high-throughput isolation of cells with high purity, viability, and recovery rates, facilitating a wide range of applications in stem cell research, cancer biology, and regenerative medicine fields. Key trends include the development of microfluidic devices, lab-on-a-chip systems, and integrated platforms that enable rapid, miniaturized, and automated cell sorting workflows, as well as the integration of artificial intelligence (AI), machine learning algorithms, and image analysis software into cell separation instruments to improve sorting accuracy, throughput, and reproducibility of cell isolation processes in high-content screening assays, single-cell sequencing applications, or cell-based assays. Additionally, there is a growing emphasis on standardized protocols, quality control measures, and regulatory compliance guidelines that ensure consistency, reliability, and safety of cell separation technologies used in clinical diagnostics, cell therapy manufacturing, and translational research applications, as well as a growing focus on customization, technical support, and user-friendly interfaces offered by cell separation vendors, instrument manufacturers, and service providers to meet the diverse needs, experimental requirements, and research challenges encountered by end-users in cell biology, immunology, and biomedical research fields worldwide.

Cell Separation Technology Market Drivers, Trends, Opportunities, and Growth Opportunities

This comprehensive study discusses the latest trends and the most pressing challenges for industry players and investors. The Cell Separation Technology market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Cell Separation Technology survey report provides the market size outlook across types, applications, and other segments across the world and regions. It provides data-driven insights and actionable recommendations

for companies in the Cell Separation Technology industry.

Key market trends defining the global Cell Separation Technology demand in 2024 and Beyond

The industry continues to remain an attractive hub for opportunities for both domestic and global vendors. As the market evolves, factors such as emerging market dynamics, demand from end-user sectors, a growing patient base, changes in consumption patterns, and widening distribution channels continue to play a major role.

Cell Separation Technology Market Segmentation- Industry Share, Market Size, and Outlook to 2030

The Cell Separation Technology industry comprises a wide range of segments and sub-segments. The rising demand for these product types and applications is supporting companies to increase their investment levels across niche segments. Accordingly, leading companies plan to generate a large share of their future revenue growth from expansion into these niche segments. The report presents the market size outlook across segments to support Cell Separation Technology companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

Key strategies adopted by companies within the Cell Separation Technology industry

Leading Cell Separation Technology companies are boosting investments to capitalize on untapped potential and future possibilities across niche market segments and surging demand conditions in key regions. Further, companies are leveraging advanced technologies to unlock opportunities and achieve operational excellence. The report provides key strategies opted for by the top 10 Cell Separation Technology companies.

Cell Separation Technology Market Study- Strategic Analysis Review

The Cell Separation Technology market research report dives deep into the qualitative factors shaping the market, empowering you to make informed decisions-

Industry Dynamics: Porter's Five Forces analysis to understand bargaining power, competitive rivalry, and threats that impact long-term strategy formulation.

Strategic Insights: Provides valuable perspectives on key players and their

approaches based on comprehensive strategy analysis.

Internal Strengths and Weaknesses: Develop targeted strategies to leverage strengths, address weaknesses, and capitalize on market opportunities.

Future Possibilities: Prepare for diverse outcomes with in-depth scenario analysis. Explore potential market disruptions, technology advancements, and economic changes.

Cell Separation Technology Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Cell Separation Technology industry report provides a detailed analysis and outlook of revenue generated by companies from 2018 to 2023. Further, with actual data for 2023, the report forecasts the market size outlook from 2024 to 2030 in three case scenarios- low case, reference case, and high case scenarios.

Cell Separation Technology Country Analysis and Revenue Outlook to 2030

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2030. In addition, region analysis across Asia Pacific, Europe, the Middle East, Africa, North America, and South America is included in the study. For each of the six regions, the market size outlook by segments is forecast for 2030.

North America Cell Separation Technology Market Size Outlook- Companies plan for focused investments in a changing environment

The US continues to remain the market leader in North America, driven by a large consumer base, the presence of well-established providers, and a strong end-user industry demand. Leading companies focus on new product launches in the changing environment. The US economy is expected to grow in 2024 (around 2.2% growth in 2024), potentially driving demand for various Cell Separation Technology market segments. Similarly, Strong end-user demand is encouraging Canadian Cell Separation Technology companies to invest in niche segments. Further, as Mexico continues to strengthen its trade relations and invest in technological advancements, the Mexico Cell Separation Technology market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

Europe Cell Separation Technology Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities

The German industry remains the major market for companies in the European Cell Separation Technology industry with consumers in Germany, France, the UK, Spain, Italy, and others anticipated to register a steady demand throughout the forecast period, driving the overall market prospects. In addition, the proactive approach of businesses in identifying and leveraging new growth prospects positions the European Cell Separation Technology market for an upward trajectory, fostering both domestic and international interest. Leading brands operating in the industry are emphasizing effective marketing strategies, innovative product offerings, and a keen understanding of consumer preferences.

Asia Pacific Cell Separation Technology Market Size Outlook- an attractive hub for opportunities for both local and global companies

The increasing prevalence of indications, robust healthcare expenditure, and increasing investments in healthcare infrastructure drive the demand for Cell Separation Technology in Asia Pacific. In particular, China, India, and South East Asian Cell Separation Technology markets present a compelling outlook for 2030, acting as a magnet for both domestic and multinational manufacturers seeking growth opportunities. Similarly, with a burgeoning population and a rising middle class, India offers a vast consumer market. Japanese and Korean companies are quickly aligning their strategies to navigate changes, explore new markets, and enhance their competitive edge. Our report utilizes in-depth interviews with industry experts and comprehensive data analysis to provide a comprehensive outlook of 6 major markets in the region.

Latin America Cell Separation Technology Market Size Outlook- Continued urbanization and rising income levels

Rising income levels contribute to greater purchasing power among consumers, spurring consumption and creating opportunities for market expansion. Continued urbanization and rising income levels are expected to sustainably drive consumption growth in the medium to long term.

Middle East and Africa Cell Separation Technology Market Size Outlook- continues its upward trajectory across segments

Robust demand from Middle Eastern countries including Saudi Arabia, the UAE, Qatar, Kuwait, and other GCC countries supports the overall Middle East Cell Separation Technology market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for Cell Separation Technology.

Cell Separation Technology Market Company Profiles

The global Cell Separation Technology market is characterized by intense competitive conditions with leading companies opting for aggressive marketing to gain market shares. The report presents business descriptions, SWOT analysis, growth strategies, and financial profiles. Leading companies included in the study are 10x Genomics, Akadeum Life Sciences, ANGLE plc, Becton, Dickinson and Company, Bio-Rad Laboratories Inc, Carl Zeiss AG, Elveflow, General Electric, IBA Lifesciences GmbH, Merck KGaA, Miltenyi Biotec, MPR Associates Inc, PerkinElmer Inc, pluriSelect Life Science UG & Co. KG, QIAGEN, STEMCELL Technologies Inc, Terumo Corp, Thermo Fisher Scientific Inc

Recent Cell Separation Technology Market Developments

The global Cell Separation Technology market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

Cell Separation Technology Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2030 (Forecast Period)

Currency: USD; (Upon request, can be provided in Euro, JPY, GBP, and other Local Currency)

Qualitative Analysis

Pricing Analysis

Value Chain Analysis

SWOT Profile

Market Dynamics- Trends, Drivers, Challenges

Porter's Five Forces Analysis

Macroeconomic Impact Analysis

Case Scenarios- Low, Base, High

Market Segmentation:

By Product

Instruments

Consumables

By Technology

Gradient Centrifugation

Surface Markers Separation

Fluorescence activated cell sorting

Magnetic cell sorting

Filtration Based Separation

By Application

Oncology Research

Neuroscience Research

Stem Cell Research

Microbiology

Immunology Research

Others

By End-User

Research laboratories & Institute

Biotechnology & Biopharmaceutical Companies

Cell Banks

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

Companies

10x Genomics

Akadeum Life Sciences

ANGLE plc

Becton, Dickinson and Company

Bio-Rad Laboratories Inc

Carl Zeiss AG

Elveflow

General Electric

IBA Lifesciences GmbH

Merck KGaA

Miltenyi Biotec

MPR Associates Inc

PerkinElmer Inc

pluriSelect Life Science UG & Co. KG

QIAGEN

STEMCELL Technologies Inc

Terumo Corp

Thermo Fisher Scientific Inc

Formats Available: Excel, PDF, and PPT

Contents

1. EXECUTIVE SUMMARY

- 1.1 Cell Separation Technology Market Overview and Key Findings, 2024
- 1.2 Cell Separation Technology Market Size and Growth Outlook, 2021- 2030
- 1.3 Cell Separation Technology Market Growth Opportunities to 2030
- 1.4 Key Cell Separation Technology Market Trends and Challenges
 - 1.4.1 Cell Separation Technology Market Drivers and Trends
 - 1.4.2 Cell Separation Technology Market Challenges
- 1.5 Competitive Landscape and Key Players
- 1.6 Competitive Analysis- Growth Strategies Adopted by Leading Cell Separation Technology Companies

2. CELL SEPARATION TECHNOLOGY MARKET SIZE OUTLOOK TO 2030

- 2.1 Cell Separation Technology Market Size Outlook, USD Million, 2021- 2030
- 2.2 Cell Separation Technology Incremental Market Growth Outlook, %, 2021- 2030
- 2.3 Segment Snapshot, 2024

3. CELL SEPARATION TECHNOLOGY MARKET- STRATEGIC ANALYSIS REVIEW

- 3.1 Porter's Five Forces Analysis
 - * Threat of New Entrants
 - * Threat of Substitutes
 - * Intensity of Competitive Rivalry
 - * Bargaining Power of Buyers
 - * Bargaining Power of Suppliers
- 3.2 Value Chain Analysis
- 3.3 SWOT Analysis

4. CELL SEPARATION TECHNOLOGY MARKET SEGMENTATION ANALYSIS AND OUTLOOK

- 4.1 Market Segmentation and Scope
- 4.2 Market Breakdown by Type, Application, and Other Segments, 2021-2030
 - By Product
 - Instruments
 - Consumables

By Technology

Gradient Centrifugation

Surface Markers Separation

Fluorescence activated cell sorting

Magnetic cell sorting

Filtration Based Separation

By Application

Oncology Research

Neuroscience Research

Stem Cell Research

Microbiology

Immunology Research

Others

By End-User

Research laboratories & Institute

Biotechnology & Biopharmaceutical Companies

Cell Banks

4.3 Growth Prospects and Niche Opportunities, 2023- 2030

4.4 Regional comparison of Market Growth, CAGR, 2023-2030

5. REGION-WISE MARKET OUTLOOK TO 2030

5.1 Key Findings for Asia Pacific Cell Separation Technology Market, 2025

5.2 Asia Pacific Cell Separation Technology Market Size Outlook by Type, 2021- 2030

5.3 Asia Pacific Cell Separation Technology Market Size Outlook by Application, 2021- 2030

5.4 Key Findings for Europe Cell Separation Technology Market, 2025

5.5 Europe Cell Separation Technology Market Size Outlook by Type, 2021- 2030

5.6 Europe Cell Separation Technology Market Size Outlook by Application, 2021- 2030

5.7 Key Findings for North America Cell Separation Technology Market, 2025

5.8 North America Cell Separation Technology Market Size Outlook by Type, 2021- 2030

5.9 North America Cell Separation Technology Market Size Outlook by Application, 2021- 2030

5.10 Key Findings for South America Cell Separation Technology Market, 2025

5.11 South America Pacific Cell Separation Technology Market Size Outlook by Type, 2021- 2030

5.12 South America Cell Separation Technology Market Size Outlook by Application, 2021- 2030

- 5.13 Key Findings for Middle East and Africa Cell Separation Technology Market, 2025
- 5.14 Middle East Africa Cell Separation Technology Market Size Outlook by Type, 2021- 2030
- 5.15 Middle East Africa Cell Separation Technology Market Size Outlook by Application, 2021- 2030

6. COUNTRY-WISE MARKET SIZE OUTLOOK TO 2030

- 6.1 US Cell Separation Technology Market Size Outlook and Revenue Growth Forecasts
- 6.2 US Cell Separation Technology Industry Drivers and Opportunities
- 6.3 Canada Market Size Outlook and Revenue Growth Forecasts
- 6.4 Canada Cell Separation Technology Industry Drivers and Opportunities
- 6.6 Mexico Market Size Outlook and Revenue Growth Forecasts
- 6.6 Mexico Cell Separation Technology Industry Drivers and Opportunities
- 6.7 Germany Market Size Outlook and Revenue Growth Forecasts
- 6.8 Germany Cell Separation Technology Industry Drivers and Opportunities
- 6.9 France Market Size Outlook and Revenue Growth Forecasts
- 6.10 France Cell Separation Technology Industry Drivers and Opportunities
- 6.11 UK Market Size Outlook and Revenue Growth Forecasts
- 6.12 UK Cell Separation Technology Industry Drivers and Opportunities
- 6.13 Spain Market Size Outlook and Revenue Growth Forecasts
- 6.14 Spain Cell Separation Technology Industry Drivers and Opportunities
- 6.16 Italy Market Size Outlook and Revenue Growth Forecasts
- 6.16 Italy Cell Separation Technology Industry Drivers and Opportunities
- 6.17 Rest of Europe Market Size Outlook and Revenue Growth Forecasts
- 6.18 Rest of Europe Cell Separation Technology Industry Drivers and Opportunities
- 6.19 China Market Size Outlook and Revenue Growth Forecasts
- 6.20 China Cell Separation Technology Industry Drivers and Opportunities
- 6.21 India Market Size Outlook and Revenue Growth Forecasts
- 6.22 India Cell Separation Technology Industry Drivers and Opportunities
- 6.23 Japan Market Size Outlook and Revenue Growth Forecasts
- 6.24 Japan Cell Separation Technology Industry Drivers and Opportunities
- 6.26 South Korea Market Size Outlook and Revenue Growth Forecasts
- 6.26 South Korea Cell Separation Technology Industry Drivers and Opportunities
- 6.27 Australia Market Size Outlook and Revenue Growth Forecasts
- 6.28 Australia Cell Separation Technology Industry Drivers and Opportunities
- 6.29 South East Asia Market Size Outlook and Revenue Growth Forecasts
- 6.30 South East Asia Cell Separation Technology Industry Drivers and Opportunities

- 6.31 Rest of Asia Pacific Market Size Outlook and Revenue Growth Forecasts
- 6.32 Rest of Asia Pacific Cell Separation Technology Industry Drivers and Opportunities
- 6.33 Brazil Market Size Outlook and Revenue Growth Forecasts
- 6.34 Brazil Cell Separation Technology Industry Drivers and Opportunities
- 6.36 Argentina Market Size Outlook and Revenue Growth Forecasts
- 6.36 Argentina Cell Separation Technology Industry Drivers and Opportunities
- 6.37 Rest of South America Market Size Outlook and Revenue Growth Forecasts
- 6.38 Rest of South America Cell Separation Technology Industry Drivers and Opportunities
- 6.39 Middle East Market Size Outlook and Revenue Growth Forecasts
- 6.40 Middle East Cell Separation Technology Industry Drivers and Opportunities
- 6.41 Africa Market Size Outlook and Revenue Growth Forecasts
- 6.42 Africa Cell Separation Technology Industry Drivers and Opportunities

7. CELL SEPARATION TECHNOLOGY MARKET OUTLOOK ACROSS SCENARIOS

- 7.1 Low Growth Case
- 7.2 Reference Growth Case
- 7.3 High Growth Case

8. CELL SEPARATION TECHNOLOGY COMPANY PROFILES

- 8.1 Profiles of Leading Cell Separation Technology Companies in the Market
- 8.2 Business Descriptions, SWOT Analysis, and Growth Strategies
- 8.3 Financial Performance and Key Metrics

10X GENOMICS

Akadeum Life Sciences
ANGLE plc
Becton, Dickinson and Company
Bio-Rad Laboratories Inc
Carl Zeiss AG
Elveflow
General Electric
IBA Lifesciences GmbH
Merck KGaA
Miltenyi Biotec
MPR Associates Inc

PerkinElmer Inc
pluriSelect Life Science UG & Co. KG
QIAGEN
STEMCELL Technologies Inc
Terumo Corp
Thermo Fisher Scientific Inc

9. APPENDIX

- 9.1 Scope of the Report
- 9.2 Research Methodology and Data Sources
- 9.3 Glossary of Terms
- 9.4 Market Definitions
- 9.5 Contact Information

I would like to order

Product name: Cell Separation Technology Market Size, Trends, Analysis, and Outlook By Product (Instruments, Consumables), By Technology (Gradient Centrifugation, Surface Markers Separation, Fluorescence activated cell sorting, Magnetic cell sorting, Filtration Based Separation), By Application (Oncology Research, Neuroscience Research, Stem Cell Research, Microbiology, Immunology Research, Others), By End-User (Research laboratories & Institute, Biotechnology & Biopharmaceutical Companies, Cell Banks), by Region, Country, Segment, and Companies, 2024-2030

Product link: <https://marketpublishers.com/r/CD4715B5736CEN.html>

Price: US\$ 3,980.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/CD4715B5736CEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970