

**Cell Sorter Market By Product (Instruments, Consumables and Reagents), By Application (Research Application, Clinical Applications), By End User (Hospitals and Clinical Testing Laboratories, Pharmaceutical and Biotechnology Companies, Others): Global Opportunity Analysis and Industry Forecast, 2023-2032**

Market Report | 2023-07-01 | 273 pages | Allied Market Research

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**Report description:**

The cell sorter market was valued at \$0.5?billion in 2022 and is estimated to reach \$1.3?billion by 2032, exhibiting a CAGR of 8.6% from 2023 to 2032. Cell sorter is an instrument that is used for biological and medical research to isolate, analyze, and sort cells based on their physical and chemical properties. In addition, cell sorters are used in several applications such as immunology, cancer research, stem cell research, and microbiology. The cell sorter instruments use the principle of flow cytometry, which measure and analyze the characteristics of cells or particles. The cells are labeled with fluorescent markers that specifically bind to certain molecules or structures within the cells, allowing researchers to identify and quantify different cell types or subpopulation on the basis of their fluorescence signals.

The cell sorter market is driven by factors that include continuous technological advancements, such as improvements in sorting speed, increased sensitivity & accuracy, and the ability to handle a wide range of sample volumes. These advancements make cell sorters more efficient, user-friendly, and capable of handling diverse research requirements. In addition, the rise in incidence of chronic diseases, such as cancer, autoimmune disorders, and infectious diseases, creates a need for advanced research tools to understand disease mechanisms and develop effective treatments. Cell sorters facilitate in-depth cellular analysis, aiding in the discovery of novel therapeutic targets and diagnostic biomarkers, which support market growth.

The continuous advancements in cell biology research, such as studying rare cell population, understanding disease mechanisms, and exploring personalized medicine approaches, create a demand for cell sorting technologies and propels market growth. Cell sorters enable researchers to isolate specific cell types or subpopulation for further analysis and experimentation. Moreover, governments, private organizations, and funding agencies are increasingly investing in life sciences research, including cell biology and immunology. This funding supports the development and adoption of advanced research tools, including cell sorters,

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and drives market growth. However, the high cost of cell sorter instruments and lack of skilled professionals in developing countries limit the adoption of cell sorter and restrain market growth.

The cell sorter market is segmented into product, application, end user, and region. By product, the market is segregated into instruments and consumables & reagents. The instrument segment is further categorized into fluorescence-based droplet cell sorting, magnetic-activated cell sorting, and MEMS- Microfluidics. By application, the market is bifurcated into research applications and clinical applications. The research applications segment is further categorized into immunology & cancer research, stem cell research, drug discovery, and other research applications. By end user, the market is categorized into hospitals & clinical testing laboratories, pharmaceutical & biotechnology companies, and others. Region wise, the market is analyzed across North America (the U.S., Canada, and Mexico), Europe (Germany, France, the UK, Italy, Spain, and rest of Europe), Asia-Pacific (Japan, China, Australia, India, South Korea, and rest of Asia-Pacific), and LAMEA (Brazil, Saudi Arabia, South Africa, and Rest of LAMEA).

Major key players that operate in the cell sorter market are Becton, Dickinson and Company, Bio-Rad Laboratories, Inc. Cytonome/St, LLC, Danaher Corporation, Harvard Bioscience, Inc., Miltenyi Biotec GmbH, On-Chip Biotechnologies Co., Ltd., Sony Corporation, Sysmex Corporation, and Thermo Fisher Scientific Inc. Key players have adopted product launch, partnership, and acquisition as key developmental strategies to improve the product portfolio of the cell sorter market.???

#### Key Benefits For Stakeholders

- This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the cell sorter market analysis from 2022 to 2032 to identify the prevailing cell sorter market opportunities.
- The market research is offered along with information related to key drivers, restraints, and opportunities.
- Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.
- In-depth analysis of the cell sorter market segmentation assists to determine the prevailing market opportunities.
- Major countries in each region are mapped according to their revenue contribution to the global market.
- Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.
- The report includes the analysis of the regional as well as global cell sorter market trends, key players, market segments, application areas, and market growth strategies.

Additional benefits you will get with this purchase are:

- Quarterly Update and\* (only available with a corporate license, on listed price)
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Possible Customization with this report (with additional cost and timeline talk to the sales executive to know more)

- Regulatory Guidelines
- Additional company profiles with specific to client's interest
- Additional country or region analysis- market size and forecast
- Criss-cross segment analysis- market size and forecast
- Expanded list for Company Profiles

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- Historic market data
- Key player details (including location, contact details, supplier/vendor network etc. in excel format)

#### Key Market Segments

##### By Product

- Instruments
- Type
- Fluorescence-based Droplet Cell Sorting
- Magnetic-activated Cell Sorting
- MEMS - Microfluidics
- Consumables and Reagents

##### By Application

- Research Application
- Type
- Immunology and Cancer Research
- Stem Cell Research
- Drug Discovery
- Other Research Applications
- Clinical Applications

##### By End User

- Hospitals and Clinical Testing Laboratories
- Pharmaceutical and Biotechnology Companies
- Others

##### By Region

- North America
- U.S.
- Canada
- Mexico
- Europe
- Germany
- France
- UK
- Italy
- Spain
- Rest of Europe
- Asia-Pacific
- Japan
- China
- Australia
- India
- South Korea
- Rest of Asia-Pacific
- LAMEA
- Brazil
- Saudi Arabia
- South Africa
- Rest of LAMEA
- Key Market Players

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- Cytonome/St, LLC
- Danaher Corporation
- Harvard Bioscience, Inc.
- Miltenyi Biotec GmbH
- On-Chip Biotechnologies Co., Ltd.
- Sony Corporation
- Sysmex Corporation
- Thermo Fisher Scientific Inc.

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