

# Cell Separation Market Size, Share & Trends Analysis Report By Cell Type (Human Cells, Animal Cells), By Product (Consumables, Instruments), By Technique, By Application, By End-use, By Region, And Segment Forecasts, 2023 - 2030

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# **Abstracts**

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Cell Separation Market Growth & Trends

The global cell separation market size is expected to reach USD 9.05 billion by 2030, registering a CAGR of 9.82% over the forecast period, according to a new report by Grand View Research, Inc. The increasing demand for biopharmaceuticals, such as recombinant therapeutic proteins, is anticipated to boost market growth. The key players focus on the development & commercialization of advanced products to cater to the needs of researchers and healthcare professionals, which is projected to drive the demand for cell isolation products in the near future. The usage of cellular therapies is increasing for the treatment of prominent diseases, including neurological diseases, such as amyotrophic lateral sclerosis, Parkinson's disease, spinal cord injury, and renal, skeletal, & autoimmune diseases, such as multiple sclerosis, type 1 diabetes, & Crohn's disease.

In recent years, there has been an increase in funding from government organizations for cell-based research owing to its ability to treat & manage conditions, such as cancer and other chronic diseases. The global market witnessed an upward momentum during the pandemic. For instance, in 2020, Seattle Children's Research Institute's researchers used immunoprecipitation, identified by flow cytometry (IP-FCM) test, to study the immune response of COVID-19-infected patients. As per the experiment, blood samples



were collected from 24 COVID-19-positive patients to compare with blood samples of 30 healthy individuals, and the compared samples were run through the IP-FCM test. Furthermore, increasing investments and government funding have helped boost the availability of technologically advanced processes for cell isolation & biopharmaceutical production. These advancements have resulted in an increased demand for cell separation procedures, thus propelling the market growth.

## Cell Separation Market Report Highlights

The consumables product type segment held a major revenue share of 62.87% in 2022. The increasing investments in R&D by biopharmaceutical and biotech companies are a major factor propelling the segment growth

The biomolecule isolation application segment held the largest share of 31.3% in 2022 since it is a pivotal step in research on cancer, HIV, and other autoimmune diseases

The human cell type segment is anticipated to have a significant growth rate of 20.8% during the forecast period. The fast growth is due to the rising focus on human and cancer stem cell research and varied applications of isolated human cells

The centrifugation technique type segment held the highest market share of 42.7% in 2022. The availability of various centrifuges provides technicians with a wide range of options catering to their specific needs

North America dominated the global market with a revenue share of 37.7% in 2022 owing to increasing demand for new technologies, a large pool of key players, increasing development of vaccines and therapeutics, along with advanced healthcare infrastructure



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