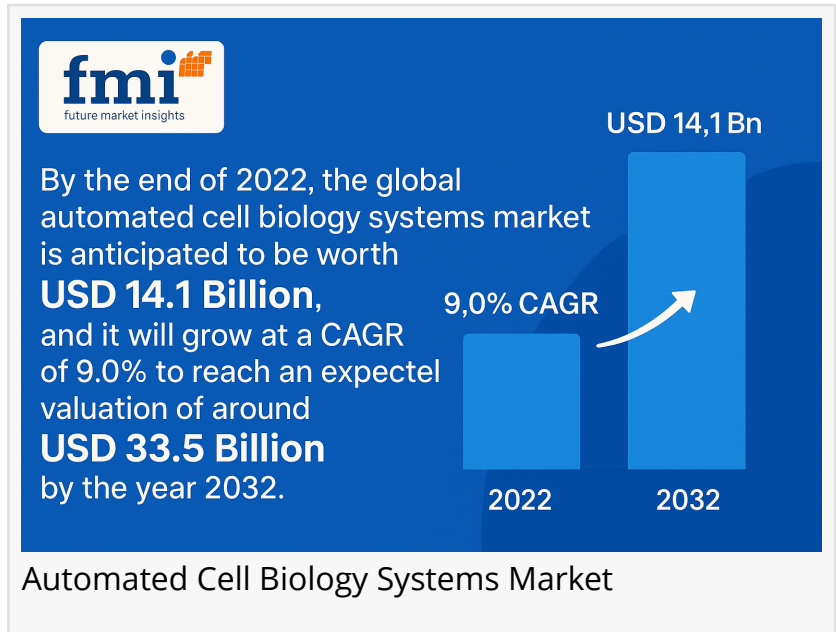


Global Automated Cell Biology Systems Market is projected to reach USD 33.5 Billion by 2032 grow at a CAGR of 9.0% | FMI

Insights into key trends, innovations, and growth drivers shaping the global automated cell biology systems market landscape

NEWARK, DE, UNITED STATES, May 23, 2025 /EINPresswire.com/ -- Future Market Insights (FMI), a leading market research firm, has forecasted a substantial surge in the global [automated cell biology systems](#) market. Propelled by technological advancements and a growing trend towards laboratory automation, the market is expected to experience a remarkable Compound Annual Growth Rate (CAGR) of 9.0% over the next decade. This growth trajectory is set to elevate the market's valuation to an impressive USD 33.5 billion by 2032, up from the current estimate of USD 14.1 billion.



“

Automated cell biology systems are revolutionizing research efficiency, offering precision, scalability, and reproducibility in cellular analysis and drug discovery workflows.”

Sabyasachi Ghosh, Principal Consultant. Future Market Insights

This phenomenal growth highlights a significant transformation within the biotechnology sector. The widespread adoption of automated cell biology systems is not only enhancing research and production capabilities but also paving the way for a new era of scientific discovery and innovation. As laboratories and research institutions continue to embrace automation, the efficiency and accuracy of cell biology research are expected to reach unprecedented levels.

Understand Market Trends: Get Your Sample Report!
<https://www.futuremarketinsights.com/reports/sample/report-gb-15816>

FMI's projections underscore the critical role that automated cell biology systems will play in the future of biotechnology. These systems are revolutionizing the way researchers approach complex biological questions, enabling faster and more reliable results. The integration of advanced technologies into cell biology workflows is facilitating breakthroughs that were once considered unattainable.

The anticipated growth in this market segment is indicative of a broader trend towards automation in the life sciences. As the demand for high-throughput and high-precision research tools increases, automated cell biology systems are positioned at the forefront of this transformation. The implications for medical research, drug development, and therapeutic innovation are profound, promising to accelerate the pace of discoveries and improve outcomes across the board.

Future Market Insights remains committed to providing in-depth analysis and insights into emerging market trends. Our latest report on the automated cell biology systems market offers comprehensive coverage of the factors driving this growth, as well as detailed forecasts and strategic recommendations for stakeholders in the biotechnology sector.

Key Takeaways from the Report

- The global automated cell biology systems market is expected to reach USD 33.5 Billion by 2032, growing at a CAGR of 9.0%.
- This growth is driven by the increasing adoption of laboratory automation and the development of powerful new technologies and applications.
- Automated cell biology systems are transforming the way research is conducted and production is carried out in the biotechnology sector.

“Rising Demand for Personalized Medicine, and Growth in Total Lab Automation Techniques will Propel Overall Market Growth,” Sabyasachi Ghosh (Associate Vice President at Future Market Insights, Inc.)

Increased Market Attention: Delve into Detailed Trends and Analysis with Our Report!

<https://www.futuremarketinsights.com/reports/automated-cell-biology-systems-market>

Key Drivers of Market Growth

- Rising demand for personalized medicine: Personalized medicine requires efficient and cost-effective cell manipulation techniques, which automated systems can offer.
- Increased investments in cell biology research: Growing awareness of the potential of cell-

based therapies and regenerative medicine is fueling research activities.

- Technological advancements: Advancements in robotics, microfluidics, and artificial intelligence are leading to the development of more sophisticated and user-friendly automated systems.
- Growing prevalence of chronic diseases: The increasing burden of chronic diseases like cancer and diabetes is driving the demand for novel therapeutic approaches, often involving cell-based therapies.

Market Competition

Automated cell biology system manufacturers have been substantially investing in research to offer long-term solutions for both the biopharmaceutical and packaging industries. Players in the automated cell biology systems market are also focusing on innovations and alliances to strengthen their market position.

For instance

- In September 2022, Thermo Fisher Scientific Inc. launched the Thermo Scientific™ DynaSpin™ Single-Use Centrifuge system.
- Corning Incorporated introduced a reliable method for differentiating monocytes into dendritic cells in October 2019 with the introduction of Corning® MicroDEN, an automated perfusion cell culture system.

Key Companies Profiled

- Thermo Fisher Scientific
- Corning Incorporated
- Merck KGaA
- Lonza
- Sartorius AG
- Hitachi. Ltd
- Nanoentek
- ChemoMetec
- Danaher corporation
- Agilent Technologies
- Perkin Elmer (Nexcelom Bioscience LLC.)
- F. Hoffmann-La Roche AG
- SHIMADZU CORPORATION
- Bio-Rad Laboratories
- Miltenyi Biotec

- Sinfonia Technology

Drive Your Business Forward with Healthcare Insights!

<https://www.futuremarketinsights.com/industry-analysis/life-science-and-biotechnology>

Key Market Segments Covered in Automated Cell Biology Systems Industry Research

By Product:

- Cell Culture Process Automatization Instrument or Robot (Multiple Function)
- Automated Bioreactor (Single or Multiple Function)
- Automated Cell Culture Media Exchange System (Single Function)
- Automated Culture Media Analyzer (Single Function)
- Automated Cell Wash-and-Concentrate System (Single Function)
- Automated Cell Counter (Single Function)
- Automated Fill And Finish System (Single Function)
- Automated Cell Storage Equipment (Single Function)
- Management Software

By Cell Culture:

- Finite Cell Line Cultures
- Infinite Cell Line Cultures

By Application:

- Cell Therapy
- Drug Development
- Stem Cell Research
- Regenerative Medicine

By End User:

- Mega Pharmaceutical companies
- Biopharmaceutical companies
- CDMOs/CMOs
- Research organizations
- Academic institutes

By Region:

- North America
- Latin America
- Europe
- South Asia
- East Asia
- Oceania
- Middle East and Africa (MEA)

Explore FMI's Related Ongoing Coverage on Healthcare Market Insights Domain:

Automated Blood Processing Equipment Market Growth – Trends & Forecast 2025 to 2035:

<https://www.futuremarketinsights.com/reports/automated-blood-processing-equipment-market>

Automated External Defibrillator Market Insights – Trends & Forecast 2024-2034:

<https://www.futuremarketinsights.com/reports/automated-external-defibrillator-market>

Automated Cannabis Testing Market Analysis – Growth & Trends 2022-2032:

<https://www.futuremarketinsights.com/reports/automated-cannabis-testing-market>

About Future Market Insights (FMI)

Future Market Insights, Inc. (ESOMAR certified, recipient of the Stevie Award, and a member of the Greater New York Chamber of Commerce) offers profound insights into the driving factors that are boosting demand in the market. FMI stands as the leading global provider of market intelligence, advisory services, consulting, and events for the Packaging, Food and Beverage, Consumer Technology, Healthcare, Industrial, and Chemicals markets. With a vast team of over 400 analysts worldwide, FMI provides global, regional, and local expertise on diverse domains and industry trends across more than 110 countries.

Contact Us

Future Market Insights Inc.

Christiana Corporate, 200 Continental Drive,
Suite 401, Newark, Delaware - 19713, USA

T: +1-347-918-3531

For Sales Enquiries: sales@futuremarketinsights.com

Website: <https://www.futuremarketinsights.com>

[LinkedIn](#) | [Twitter](#) | [Blogs](#) | [YouTube](#)

Ankush Nikam

Future Market Insights, Inc.

+91 90966 84197

[email us here](#)

Visit us on social media:

[LinkedIn](#)

[Facebook](#)

[YouTube](#)

[X](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/815366133>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2025 Newsmatics Inc. All Right Reserved.