# Cell Line Development Market Anticipates Impressive US$ 4,674.8 Million Valuation by 2033 : FMI Study

*The United States boasts a robust research ecosystem with top-tier universities, research entities, and biotech firms driving innovation.*

FMI Logo

NEWARK, DELAWARE, UNITED STATES OF AMERICA, December 4, 2023 /EINPresswire.com/ -- During the course of the forecast period, it is anticipated that the size of the global cell line development market will grow at a CAGR of 4.1%. Sales of cell line products are expected to reach US$ 4,674.8 million by 2033, up from US$ 3,124.4 million in 2023. The market for cell line development was estimated to be worth US$ 3,007.3 million in 2022 and is projected to grow at a compound annual growth rate (y-o-y) of 3.9% in 2023.

Based on market survey data, the cell line development industry had a US$ 4.7 billion market value by the end of the year 2022. According to research by FMI, the worldwide market is anticipated to be worth US$ 5.06 billion in the current year 2023.

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The market for cell line development is anticipated to expand significantly, with a predicted CAGR of 7.7% during the forecast period from 2023 to 2033. The overall market value is projected to grow at this notable CAGR and reach US$ 10.6 billion by the end of the forecast period.

Advanced treatment methods in the expanding field of cell-based treatments, such as gene therapy and regenerative medicine, significantly rely on strong and specialized cell lines. Furthermore, the emergence of personalized medicine, tailored to individual patients' genetic profiles, boosted the use of specific cell lines to develop targeted therapies.

Private players have increased the number of specialized cell lines in their libraries to meet the surging demands of researchers and pharmaceutical developers. On the other hand, public investments in cutting-edge technology, such as CRISPR-Cas9 genome editing tools, have greatly improved their production capabilities to provide original solutions. It is crucial to strike a balance between ethical standards and scientific advancement as ethics must be taken into account while developing cell lines.

Key Takeaways:

The United States dominated the global market with an overall share of 26.7% in the year 2022.

Germany was the leading regional market in Europe with a 4.7% market share in 2022, while the United Kingdom market could witness a 7.9% CAGR through 2033.

The promotion of vaccines, personalized medicine, cell-based therapeutics, and biopharmaceutical research in the Asia Pacific countries are driving the expansion of the regional cell line market. China, for instance, is poised to witness a year-on-year growth of 10.8% in the development and business of cell line therapies over the forecast years.

India is another remarkably growing market in the development of cell lines and is anticipated to follow China with a 9.1% CAGR from 2023 to 2033.

"The Cell Line Development Market is witnessing robust growth as demand for biopharmaceuticals continues to rise. With advancements in biotechnology and increasing emphasis on personalized medicine, the market is driven by the need for reliable and scalable cell lines for drug development," opines Sabyasachi Ghosh Associate Vice President at Future Market Insights (FMI).

Competitive Landscape:

The overall market competition has escalated worldwide by the ongoing boom in biopharmaceutical research and development activities. Also, by securing intellectual property rights for innovative cell lines and unique technologies, top players have preserved a competitive edge and market exclusivity.

Common cell line laboratories witnessed several commercial prospects in the recent past and have emerged as renowned market players in recent years. Further, companies that operate in regional marketplaces have attractive potential in the international market as well with the soaring demand from emerging countries. However, they need to ensure compliance with local legal requirements to establish well-characterized and authenticated cell lines in drug development.

Key Companies:

BPS Bioscience, Inc.
Thermo Fisher Scientific Inc.
ATCC (American Type Culture Collection)
Sigma-Aldrich (Merck Group Company)
Lonza

STEMCELL Technologies
BioIVT LLC
Novus Biologicals
Rockland Immunochemicals
GenScript
BiologicsCorp
Horizon Discovery
Synthego
AcceGen
Promega
FenicsBIO
InvivoGen
Abcam plc.
Eurofins DiscoverX



Key Segments:

By Product:

Immunotherapy Cell Lines
GPCR Cell Lines
Cell Signaling Pathway Cell Lines
Gene Knockout Cell Lines
Ion Channel Cell Lines
Cancer Cell Lines
Others

By Application:

Drug Discovery & Development
Basic Research
Toxicity Screening
Biopharmaceutical Production
Tissue Engineering
Forensic Testing

By End-user:

Biopharmaceutical Companies
Contract Research Organization

Academic & Research Institutes
Forensic Science Laboratories
Diagnostic Laboratories

By Region:

North America
Latin America
East Asia
South Asia & Pacific
Western Europe
Eastern Europe
Central Asia
Russia & Belarus
Balkan & Baltic Countries
Middle East & Africa

Author By:

Sabyasachi Ghosh (Associate Vice President at Future Market Insights, Inc.) holds over 12 years of experience in the Healthcare, Medical Devices, and Pharmaceutical industries. His curious and analytical nature helped him shape his career as a researcher.

Identifying key challenges faced by clients and devising robust, hypothesis-based solutions to empower them with strategic decision-making capabilities come naturally to him. His primary expertise lies in areas such as Market Entry and Expansion Strategy, Feasibility Studies, Competitive Intelligence, and Strategic Transformation.

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Cell Culture Market Outlook: The global market a valuation of US$ 25.4 billion in 2022 and is valued at US$ 29.0 billion in 2023.

Personalized Medicine Market Trends: The newly released market analysis report by Future Market Insights shows that global Market in 2022 were held at US$ 326.7 Billion.

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

5000 analysts worldwide, FMI provides global, regional, and local expertise on diverse domains and industry trends across more than 110 countries.

Ankush Nikam
Future Market Insights, Inc.
+91 90966 84197
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