

Global Cell Line and Membrane Market

Market Research Report | 2025-06-05 | 149 pages | BCC Research

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Report description:

Description

Report Scope

This report provides an overview of the global cell line and membrane market and analyzes market trends. It includes global revenue (\$ millions) for base year data 2024, estimated data for 2025 and forecast data from 2026 to 2030. The market is segmented based on product types, subtypes, applications, end users and regions. The regions covered in this study are North America, Europe, Asia-Pacific and the Rest of the World (RoW), focusing on major countries within these regions.

The report focuses on the significant driving trends and challenges that affect the market and vendor landscape. It analyzes environmental, social and corporate governance (ESG) developments and discusses emerging technologies related to the market. The report concludes with an analysis of the competitive landscape, which provides the ranking/share of key players in the global cell line and membrane market. It also has a dedicated section of company profiles that covers such details as overview, key financials, product portfolio and recent developments of key market players.

Report Includes

- 54 data tables and 67 additional tables
- An overview of the global market for cell lines and membranes
- An analysis of the global market trends, with market revenue data from 2022 to 2024, estimates for 2025, and projected CAGRs through 2030
- Discussion of the current and future market potential, and quantification of the market by product type, source, end use industry, application, and geographic region
- Identification of applications of cell lines in drug development, diagnostics, and molecular biology
- Description of advances in cell lines for cancer-based therapies
- Details about CAR-T cell and immune check point inhibitor therapy
- Comparison of the manufacturing processes for autologous and allogenic cells
- Explanation of the increasing adoption of cell line technologies in cell-based assay and the surging demand of antibody

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- Coverage of evolving technologies, the current and future market potential, R&D activities, growth strategies, and ESG trends of the market
- Analysis of the key companies' market shares and proprietary technologies, strategic alliances, and patent portfolios
- Company profiles of major players within the industry, including ATCC, Catalent Inc., Lonza, and Thermo Fisher Scientific Inc.

Executive Summary

Summary:

The global market for cell lines and membranes was valued at \$5.7 billion in 2024 and is estimated to increase from \$6.3 billion in 2025 to reach \$11.4 billion by 2030, at a compound annual growth rate (CAGR) of 12.5% from 2025 through 2030.

The term "cell line" refers to a culture of cells with an even genetic structure developed from single cells. A cell line is also defined as an indefinitely developed cell culture proliferating indeterminately in an appropriate fresh space and medium. In vitro cell-free systems can replace cell cultures in some fields, but cell lines are still used for diagnostic assays, therapeutic screens and biomedical research. In the 1950s, HeLa, the first human cell line, was created. Cell line development rates have grown over time due to genetic mutation and growth condition adjustment, making the technique more straightforward and more accessible for research labs. Several cell line models are currently available to the scientific community.

Cell lines and membranes find vast applications, including drug discovery and development, basic research, toxicity screening, biopharmaceutical production, drug screening, forensic testing and tissue engineering. Cell lines and membranes have proven highly beneficial across drug discovery applications.

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