

Revolutionizing the Bioreactors Market: Trends and Innovations

Increasing adoption of cutting-edge technologies and developments in bioprocessing equipment are some key factors driving market revenue growth

VANCOUVER, BC, CANADA, June 28, 2023 /EINPresswire.com/ -- The global [bioreactors market](#) size is expected to reach USD 2,482.5 Million in 2030 and register a revenue CAGR of 6.5% over the forecast period, according to latest analysis by Emergen

Research. Rise in technological improvements for advanced bioreactors, advancements in research & development activities for innovative biologic and microbial applications, and for single-use and hybrid bioreactors are factors projected to continue to support market revenue growth between 2022 and 2030. Biopharmaceuticals are used in a variety of applications,

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Market Size – USD 1,407.6 Million in 2021, Market Growth – at a CAGR of 6.5%, Market Trends – Advancements in R&D activities for personalized medicine production

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Emergen Research

ranging from biopharmaceutical production to tissue engineering applications such as cell growth and 3D tissue construct generation. Bioreactors are thus used to provide a controllable environment for any cells or cellular constructs that are incorporated into them in terms of pH, temperature, shear stress, and nutrient supply. Bioreactors have been used in a variety of industries and fields of research to progress in vitro models of 2D cultures and suspensions to 3D structures that approximate the natural physiological state in situ.

However, the report takes into account the current COVID-19 impact on the global economy and this particular

business sector. The global bioreactors market growth has been extensively hampered by the current economic situation triggered by the COVID-19 pandemic. The pandemic has led to some devastating effects on the global economy, besides disrupting the functioning of the bioreactors



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industry. It offers an exhaustive analysis of the present and future effects of the pandemic on this business sphere. Moreover, the adverse effects of the coronavirus pandemic on the global bioreactors market, as well as its fundamental segments, have also been elucidated in this report. A SWOT analysis is performed on the leading companies engaged in the bioreactors market to offer a better understanding of the strengths, opportunities, weaknesses, and threats of the leading companies.

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Some Key Highlights from the Report

Single-use segment is expected to register the fastest revenue CAGR during the forecast period, due to increased demand for biologic drugs, government initiatives for development across the pharmaceutical sector, and advancement in R&D activities for vaccine production. The advantages of single-use bioreactors such as reduced need for cleaning and sterilization, lower risk of cross-contamination, and greater control over aseptic conditions are attributed to rapid revenue growth of the segment.

Automated segment is expected to account for largest revenue share during the forecast period owing to increase in prevalence of chronic diseases, surge in cell culture technique adoption, and advancements in R&D activities in personalized medicine.

Biopharmaceutical manufacturers segment is expected to register a robust revenue growth rate over the forecast period. Increasing use of high-end technologies to simplify complex manufacturing processes is expected to drive steady demand for bioreactors during the forecast period. The use of bioreactors in manufacturing and development of complex molecules such as proteins and nucleic acids is also driving revenue growth of this segment.

Bioreactors market in North America is expected to account for largest revenue share among other regional markets during the forecast period, owing to rising chronic disease prevalence, focus on product innovation, presence of key players in advanced bioreactor manufacturing, and advancements in R&D in biomedical research in the region. In addition, increasing number of academic institutes and expanding research and development facilities are driving market revenue growth in this region.

Major Players/Manufacturers profiled in the report are:

Fluor Corporation, Jacobs Engineering Group Inc., M+W Group GmbH, Faithful+Gould, Flad Architects, CRB Consulting Engineers, Inc., Solaris, Biotech Solutions, Danaher Corporation, INFORS HT, and Merck KGaA

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Global Bioreactors Market Report - Segmental Analysis:

Material Type Outlook (Revenue, USD Million; 2019–2030)

Glass

Single-Use

Stainless Steel

Range Outlook (Revenue, USD Million; 2019–2030)

5L-20L

20L-200L

200L-1,500L

Above 1,500L

Control Type Outlook (Revenue, USD Million; 2019–2030)

Manual

Automated

Key Geographies Profiled in the Report:

North America(the U.S., Mexico, and Canada)

Asia Pacific(China, Japan, India, and Rest of Asia Pacific)

Europe(the U.K., France, Germany, and Rest of Europe)

Latin America(Brazil and Rest of Latin America)

Middle East & Africa(GCC Countries and Rest of Middle East & Africa)

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Key Benefits For Stakeholders:

The report provides an extensive analysis of the current and future trends in the global minimally invasive surgical systems market to elucidate the imminent investment pockets.

A detailed analysis of the factors that drive and restrict the growth of the minimally invasive surgical systems market is provided.

Extensive analysis of key segments demonstrates the types of energy devices, access equipment, and visualization & documentation systems used in minimally invasive surgeries.

A comprehensive analysis of the geographical landscape provides detailed information about various regions across North America, Europe, Asia Pacific, Latin America, and Middle East & Africa.

The report offers a competitive landscape of the minimally invasive surgical systems market to assist players to gain insights into the competition scenario. Key companies operating in the market are profiled to provide valuable insights.

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