

# Bioreactors Market Research Report | Industry Growth Rate, Size, Share, Regional Analysis, Global Forecast to 2030

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

VANCOUVER, BC, CANADA, May 11, 2022 /EINPresswire.com/ -- The Global [Bioreactors Market](#) Research Report published by Emergen Research has been formulated by analysis of key business details and extensive geographical spread of the Bioreactors industry. The study offers

comprehensive coverage of the

qualitative and quantitative analysis of the Bioreactors market along with crucial statistical data about the Bioreactors market. The research study provides historical data from 2017 to 2018 and offers accurate forecast estimation until 2027. The report also profiles established and emerging players of the market, covering the business overview, product portfolio, strategic alliances, and business expansion strategies.



Bioreactors 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”

*Emergen Research*

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, ranging from biopharmaceutical production to tissue engineering applications such as cell growth and 3D tissue construct generation.



Bioreactors are 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. These have also proven to be effective treatments for autoimmune diseases, asthma, cancer, and organ rejection. Increasing use of bioreactors in the pharmaceutical sector is a major factor driving market growth.

Technological advancements in bioreactors have increased the quality, flexibility, and scalability of operations with low capital and energy requirements. The novel approaches and analytical tools are expected to improve process robustness, accelerate scale-up to industrial production, and boost resource efficiency. Wide application of hybrid bioreactor technology in effective waste management is also driving market growth.

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Furthermore, the report includes an in-depth analysis of the competitive landscape. The segment covers a comprehensive overview of the company profiles along with product profiles, production capacities, products/services, pricing analysis, profit margins, and manufacturing process developments. The report also covers strategic business measures undertaken by the companies to gain substantial market share. The report provides insightful information about recent mergers and acquisitions, product launches, collaborations, joint ventures, partnerships, agreements, and government deals.

Key players in the market include:

- 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
- Merck KGaA
- Others

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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.

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.

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.

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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-1500L
- Above 1500L

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

- Manual
- Automated

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

OEMs

EPCs

System Integrators

Production Scale Outlook (Revenue, USD Million; 2019–2030)

Lab-Scale Production

Pilot-Scale Production

Full-Scale Production

End-Use Outlook (Revenue, USD Million; 2019–2030)

R&D Departments

R&D Institutes

Biopharmaceutical Manufacturers

Biopharmaceutical Companies

Contract Manufacturing Organizations (CMOs)

Contract Research Organizations (CROs)

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

North America

U.S.

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Spain

Benelux

Russia

Rest of Europe

Asia Pacific

China

India

Japan

South Korea

Rest of APAC

Latin America

Brazil  
Rest of LATAM  
Middle East & Africa  
Saudi Arabia  
UAE  
South Africa  
Turkey  
Rest of MEA

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The report discusses in detail the changing dynamics of the competitive landscape

The report provides detail-oriented futuristic prospects of factors driving the growth of the market and limitations affecting the market growth

The report gives a comprehensive analysis of the changing dynamics of the market owing to the current scenario

The report encompasses a detailed forecast for the years 2020-2027

The report provides valuable insights on key market growth driving trends and monetary competence in the forecast timeline

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At Emergen Research, we believe in advancing with technology. We are a growing market research and strategy consulting company with an exhaustive knowledge base of cutting-edge and potentially market-disrupting technologies that are predicted to become more prevalent in the coming decade.

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