

Portable Bioprocessing Bioreactors Market Size Worth \$4.48 Bn by 2029 -Exclusive Report by The Business Research Company

The Business Research Company's Portable Bioprocessing Bioreactors Global Market Report 2025 – Market Size, Trends, And Global Forecast 2025-2034

LONDON, GREATER LONDON, UNITED KINGDOM, September 15, 2025
/EINPresswire.com/ -- Get 30% Off All Global Market Reports With Code ONLINE30 – Stay Ahead Of Trade Shifts, Macroeconomic Trends, And Industry Disruptors



The Business
Research Company

Portable Bioprocessing Bioreactors Global Market Report 2025

How Much Is The [Portable Bioprocessing Bioreactors Market](#) Worth?

The market for portable bioprocessing bioreactors has seen significant expansion in recent times. From being worth \$2.49 billion in 2024, it is projected to value at \$2.80 billion in 2025, growing at a compound annual growth rate of 12.8%. The historical growth can be linked to a rise in demand for on-site biopharmaceutical manufacturing, an increasing preference for personalized medicine, a growing need for decentralized and point-of-care bioprocessing, increased funding in biotech R&D, and a surge in infectious diseases which has spurred bioprocessing breakthroughs.



Get 30% Off All Global Market Reports With Code ONLINE30 – Stay Ahead Of Trade Shifts, Macroeconomic Trends, And Industry Disruptors”

The Business Research Company

The market for portable bioprocessing bioreactors is

predicted to experience a swift expansion in the forthcoming years, reaching \$4.48 billion in 2029 with a compound annual growth rate (CAGR) of 12.4%. This growth throughout the forecast period is linked to the increasing utilization of continuous bioprocessing techniques, heightened demand for portable bioprocessing in isolated and resource-poor regions, a rising focus on sustainable and green bioprocessing methods, amplified investment in cell and gene therapy production, and growing enthusiasm in sustainable and green bioprocessing. Notable trends projected for this period include advancements in mobile biomanufacturing units, progressive

miniaturization of bioreactor systems, real-time monitoring and analytics innovation, smart sensors integration for optimum process functioning, and progress in disposable bioreactor technology.

Download a free sample of the portable bioprocessing bioreactors market report:

<https://www.thebusinessresearchcompany.com/sample.aspx?id=27392&type=smp>

What Are The Factors Driving The Portable Bioprocessing Bioreactors Market?

As the demand for gene therapies continues to rise, the portable bioprocessing bioreactors market is set for significant growth. Gene therapy, a medical procedure used to modify or replace defective genes for the treatment or prevention of diseases, is seeing increased demand due to developments in genetic sequencing and diagnostics. These advancements have enabled the precise identification of genes responsible for disease, allowing for targeted treatment. Portable bioprocessing bioreactors enhance gene therapies by providing flexible, on-site manufacturing in scalable, controlled environments. This decreases both processing time and complexity, consequently improving the speed and efficiency of developing custom treatments. For example, the American Society of Gene & Cell Therapy (ASGCT) reported that in December 2024, the Food and Drug Administration (FDA) gave their approval to six gene therapy products in 2023, a rise from the five products approved in 2022. Thus, the portable bioprocessing bioreactors market is being driven by the escalating demand for gene therapies.

Who Are The Major Players In The Portable Bioprocessing Bioreactors Market?

Major players in the Portable Bioprocessing Bioreactors Global Market Report 2025 include:

- Thermo Fisher Scientific Inc.
- Merck KGaA
- GE Healthcare
- Avantor Fluid Handling LLC
- Cytiva Bioscience Holding Ltd.
- Sartorius AG
- Getinge AB
- Pall Corporation
- ZETA Holding GmbH
- Tecnic S.r.l.

What Are Some Emerging Trends In The Portable Bioprocessing Bioreactors Market?

Key players in the portable bioprocessing bioreactors market are aiming to advance their technologies by developing products like single-use bioreactors. These products bolster flexibility and optimize cell therapy production processes. Notably, single-use bioreactors are disposable systems that use sterilized plastic bags instead of reusable containers which speed up the setup process, while minimizing the risk of contamination and diminishing biomanufacturing cleaning expenses. Take, for example, Thermo Fisher Scientific, a leading American biotech company, introduced a groundbreaking 5L DynaDrive single-use bioreactor in April 2025. This state-of-the-art portable bioprocessing system is designed to escalate scalability and enhance process

control during cell culture procedures. The bioreactor is capable of efficiently scaling from 1 to 5,000 liters, while ensuring the same reactor design and film quality, which leads to a productivity increase of 27% in comparison to traditional glass bioreactors. Its compact, user-friendly benchtop design utilizes biobased films and incorporates BioTitan retention aids to decrease product loss and foster eco-friendly practices.

Which Segment Accounted For The Largest [Portable Bioprocessing Bioreactors Market Share?](#)

The portable bioprocessing bioreactors market covered in this report is segmented

- 1) By Product Type: Single-Use Bioreactors, Stainless Steel Bioreactors, Glass Bioreactors, Multi-Use Bioreactors, Smart Bioreactors
- 2) By Mode Of Operation: Batch Bioreactors, Fed-Batch Bioreactors, Continuous Bioreactors, Perfusion Bioreactors
- 3) By Capacity: 100L–500L, 50L–100L, 10L–50L, 1L–10L
- 4) By Application: Cell Therapy And Regenerative Medicine, Vaccine And Biologic Development, Biopharmaceutical Production, Biologics And Biosimilars Manufacturing, Tissue Engineering
- 5) By End-User: Academic And Research Institutions, Biopharmaceutical Companies, Contract Research Organizations (CROs), Food And Beverage Manufacturers, Chemical And Petrochemical Industries

Subsegments:

- 1) By Single-Use Bioreactors: Disposable Bags, Stirred Tank, Rocking Motion, Fixed Bed, Wave Bioreactors
- 2) By Stainless Steel Bioreactors: Jacketed, Half Pipe, Coil, External, Internal
- 3) By Glass Bioreactors: Jacketed, Non-Jacketed, Double Jacketed
- 4) By Multi-Use Bioreactors: Airlift, Bubble Column
- 5) By Smart Bioreactors: Automated Control, Sensor Integrated, Remote Monitoring, Data Analytics Enabled

View the full portable bioprocessing bioreactors market report:

<https://www.thebusinessresearchcompany.com/report/portable-bioprocessing-bioreactors-global-market-report>

What Are The Regional Trends In The Portable Bioprocessing Bioreactors Market?

In the Portable Bioprocessing Bioreactors Global Market Report 2025, North America emerged as the leading region in 2024. The Asia-Pacific region is predicted to experience the most rapid growth during the forecast period. The report encompasses several regions, which include Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, and Africa.

Browse Through More Reports Similar to the Global Portable Bioprocessing Bioreactors Market 2025, By [The Business Research Company](#)

Prefabricated Buildings Global Market Report 2025

<https://www.thebusinessresearchcompany.com/report/prefabricated-buildings-global-market-report>

Multifamily Modular And Prefabricated Housing Construction Global Market Report 2025

<https://www.thebusinessresearchcompany.com/report/multifamily-modular-and-prefabricated-housing-construction-global-market-report>

Precast Construction Global Market Report 2025

<https://www.thebusinessresearchcompany.com/report/precaster-construction-global-market-report>

Speak With Our Expert:

Saumya Sahay

Americas +1 310-496-7795

Asia +44 7882 955267 & +91 8897263534

Europe +44 7882 955267

Email: saumyas@tbr.com

The Business Research Company - www.thebusinessresearchcompany.com

Follow Us On:

• LinkedIn: <https://in.linkedin.com/company/the-business-research-company>"

Oliver Guirdham

The Business Research Company

+44 7882 955267

info@tbr.com

Visit us on social media:

[LinkedIn](#)

[Facebook](#)

[X](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/848426788>

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.