

Global Bioprocess Validation Market Size study&Forecast, byTest Type(Extractables Testing Services, Microbiological Testing Services, Physiochemical Testing Services, Integrity Testing Services, Compatibility Testing Services, Other Testing Services) by Process Component (Filter Elements, Media containers and bags, Freezing and Thawing Process Bags, Mixing Systems, Bioreactors, Transfer Systems, Other), by End-user (Pharmaceutical Companies, Biotechnology Companies, Contract Development & Manufacturing Organizations, Other)and Regional Analysis, 2022-2029

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Abstracts

Global Bioprocess Validation Market is valued at approximately USD 376.9 million in 2021 and is anticipated to grow with a healthy growth rate of more than 9.10% over the forecast period 2022-2029. Various actions that take place during the whole manufacturing cycle of a bioproduct are included in the bioprocess validation process. To maintain the quality, safety, and effectiveness of bioproducts, precise data are gathered, reviewed, and documented for every production phase. Strict regulatory standards for the manufacturing of safe and high-quality vaccines and pharmaceutical goods are driving the industry. The industry is boosted by the growing cooperation among the major market players for product launches. COVID-19, however, has had a favourable effect on the worldwide bioprocess validation market.

The COVID-19 standard had a significant impact on the bioprocess validation market since it's essential to validate bioprocesses at every step of medication development to check precision, effectiveness, and safety. There was an increasing need for medicines and vaccines to address the new SARS-CoV-2 virus. This prompted the major industry players to merge, work together, and make acquisitions in order to provide goods that were safe and compliant with FDA and cGMP regulations. The Food and Drug Administration (FDA) Drug Recall Statistics report from 2021 estimates that worldwide drug recalls total 1,279 each year. Another two key drivers driving the market's expansion are the rising demand for particular types of tests in R&D activities and the expanding trend of outsourcing laboratory testing services. In response to the rising trend of outsourcing laboratory testing services, businesses are growing their market share by providing a variety of services and solutions. However, it is anticipated that problems with extractables and leachables will impede market expansion.

The key regions considered for the Global Bioprocess Validation Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America is dominating the market share with a CAGR of 4.9%. This is a result of the significant outsourcing services being present in this area. Furthermore, there are numerous biopharmaceutical and biotechnology industries in North America that have received FDA approval. The American government has also increased the amount it spends on validation services. According to the prediction, the bioprocess validation market would experience the quickest growth in the Asia Pacific region in the coming years. This is because there is more knowledge regarding the advantages of vaccines, which results in more funding, improvements, and developments.

Major market player included in this report are:

Merck KGaA

Eurofins Scientific

Sartorius Stedim biotech SA

Pall Corporation

Cobetter Filtration Equipments Co., Ltd

Toxikon Corporation

Thermo Fisher Scientific

Almac Group

Danher Corporation

Meissner Filtration Products, INC

Recent Developments in the Market:

In May 2022, a new informational resource for the bioprocess industry, the Bioprocess Resource Center, was created by Qosina.

In January 2022, complete acquisition of PeproTech, a pioneer in recombinant proteins, by Thermo Fisher Scientific.

In December 2021, In order to give customers a complete freeze-thaw solution, Sartorius and HOF Sonderanlagenbau entered into cooperation in December 2021 to merge two HOF horizontal plate freeze-thaw units into Sartorius' portfolio.

Global Bioprocess Validation Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered Test Type, Process Component, End-user, Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and Test End-user offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Test Type:

Extractables Testing Services

Microbiological Testing Services

Physiochemical Testing Services

Integrity Testing Services

Compatibility Testing Services

Other Testing Services

By Process Component:

Filter Elements

Media containers and bags

Freezing and Thawing Process Bags

Mixing Systems

Bioreactors

Transfer Systems

Other

By End-user:

Pharmaceutical Companies

Biotechnology Companies

Contract Development & Manufacturing Organizations

Other

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of the World

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