

Global Large and Small Scale Bioprocessing Market Size study, by Product (Filtration Assemblies, Bioreactors/Fermenters, Cell Culture Products, Others), by Workflow (Downstream Processing, Fermentation, Upstream Processing), by Scale (Small Scale, Industrial Scale), by Application (Environmental Aids, Biopharmaceuticals, Speciality Industrial Chemicals, Others) and Regional Forecasts 2022-2032

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Abstracts

Global Large and Small Scale Bioprocessing Market is valued at approximately USD 57.08 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 14.21% over the forecast period 2024-2032. Large-scale bioprocessing involves the industrial-scale production of biopharmaceuticals and bioproducts, designed to meet the expansive demands of a broad patient population. This segment typically utilizes bioreactors with capacities ranging from thousands to tens of thousands of liters, emphasizing efficiency, automation, and cost-effectiveness. It is pivotal for the mass production of well-established biopharmaceuticals such as vaccines and monoclonal antibodies.

The Global Large and Small Scale Bioprocessing Market is driven by burgeoning demand for biopharmaceuticals, driven by an aging population and the pressing need for novel treatments, serves as a primary catalyst for large-scale bioprocessing. The scope encompasses the manufacture of vaccines, monoclonal antibodies, and therapeutic proteins to address global healthcare requirements. Additionally, continual research and development efforts in biomanufacturing introduce novel processes and techniques, creating opportunities for the large-scale production of innovative

bioproducts, including cutting-edge therapies and bio-based materials. However, initial investment costs and complex regulatory environment is going to impede the overall demand for the market during the forecast period 2024-2032.

The key regions considered for the Global Large and Small Scale Bioprocessing Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. In 2023, the North American region was the dominating among regional market in terms of revenue owing to factors such as robust biopharmaceutical sector and advanced technological infrastructure. The region, spearheaded by the United States, hosts major pharmaceutical and biotech entities, thereby driving demand for advanced bioprocessing solutions. Persistent research and development initiatives foster innovation, enhancing single-use systems, bioreactors, and analytical tools. Furthermore, the market in Asia Pacific is anticipated to develop at the fastest rate over the forecast period 2024-2032.

Major market players included in this report are:

Thermo Fisher Scientific

Lonza Group

Merck & Co., Inc.

GE Healthcare

Danaher Corporation

Pall Corporation

Eppendorf AG

Fujifilm Diosynth Biotechnologies

Boehringer Ingelheim

ABEC

Brammer Bio

CellGenix

Novasep

MilliporeSigma

AB Sciex

The detailed segments and sub-segment of the market are explained below:

By Product:

Filtration Assemblies

Bioreactors/Fermenters

Cell Culture Products

Others

By Workflow:

Downstream Processing

Fermentation

Upstream Processing

By Scale:

Small Scale

Industrial Scale

By Application:

Environmental Aids

Biopharmaceuticals

Speciality Industrial Chemicals

Others

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

Middle East & Africa

Saudi Arabia

South Africa

RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market

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