

# **Global Biomanufacturing Equipment for the Stages of Microbial Strain Engineering and Cell Factory Construction Market 2026 by Company, Regions, Type and Application, Forecast to 2032**

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## **Abstracts**

According to our (Global Info Research) latest study, the global Biomanufacturing Equipment for the Stages of Microbial Strain Engineering and Cell Factory Construction market size was valued at US\$ 6430 million in 2025 and is forecast to a readjusted size of US\$ 13188 million by 2032 with a CAGR of 11.0% during review period.

Strain engineering and the construction of cellular factories serve as the very source and cornerstone of the entire biomanufacturing process; their objective is to create microbial strains or cell lines capable of efficiently synthesizing target products. This phase is primarily conducted within a laboratory setting, and its operational workflow relies heavily on molecular biology and gene editing technologies. Once a high-performance strain has been obtained, the subsequent step is not to immediately scale up to mass production, but rather—at the laboratory scale—to 'tailor-make' an optimal growth and production environment specifically for that strain. The goal of this stage is to explore and identify the critical process parameters that influence both product yield and quality.

This report is a detailed and comprehensive analysis for global Biomanufacturing Equipment for the Stages of Microbial Strain Engineering and Cell Factory Construction market. Both quantitative and qualitative analyses are presented by company, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some

of the selected leaders for the year 2025, are provided.

### **Key Features:**

Global Biomanufacturing Equipment for the Stages of Microbial Strain Engineering and Cell Factory Construction market size and forecasts, in consumption value (\$ Million), 2021-2032

Global Biomanufacturing Equipment for the Stages of Microbial Strain Engineering and Cell Factory Construction market size and forecasts by region and country, in consumption value (\$ Million), 2021-2032

Global Biomanufacturing Equipment for the Stages of Microbial Strain Engineering and Cell Factory Construction market size and forecasts, by Type and by Application, in consumption value (\$ Million), 2021-2032

Global Biomanufacturing Equipment for the Stages of Microbial Strain Engineering and Cell Factory Construction market shares of main players, in revenue (\$ Million), 2021-2026

### **The Primary Objectives in This Report Are:**

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Biomanufacturing Equipment for the Stages of Microbial Strain Engineering and Cell Factory Construction

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Biomanufacturing Equipment for the Stages of Microbial Strain Engineering and Cell Factory Construction market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Bio-Rad, Thermo Fisher, Eppendorf, Roche, QIAGEN, DeNovix, GEA, TRUKING TECHNOLOGY LIMITED, Tofflon Science and Technology Group, Orient Gene, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market segmentation

Biomanufacturing Equipment for the Stages of Microbial Strain Engineering and Cell Factory Construction market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for Consumption Value by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

#### Market segment by Type

Cell Engineering

Microbial Strain Engineering

#### Market segment by Equipment Capacity

1-50 L

50-200 L

200-500 L

?500 L

#### Market segment by Equipment

Production and Cultivation Equipment

Clarification and Primary Separation Equipment

Downstream Purification and Refinement Equipment

Plant Engineering Support Systems

Others

#### Market segment by Application

Biopharmaceuticals

Food and Nutrition

Bio-agriculture

Consumer and Personal Care

Bioenergy

Others

Market segment by players, this report covers

Bio-Rad

Thermo Fisher

Eppendorf

Roche

QIAGEN

DeNovix

GEA

TRUKING TECHNOLOGY LIMITED

Tofflon Science and Technology Group

Orient Gene

Shanghai Triowin Intelligent Machinery

ABEC

Krones AG

Solaris Biotech

DCI, Inc.

Holloway America

Cotter Brothers Corporation

Actini Group

Pierre Guerin

BIIC Bianchi SpA

Flottweg SE

Tomoe

Austar Lifesciences Limited

Jiangsu Hanbon Science and Technology

Lisure Science(Suzhou)Co

Danaher Corporation

Sartorius

Beijing Tong Heng Innovation Technology Co

YMC CO., LTD.

Morimatsu Industry

Sulzer Ltd

Sinomach General Machinery Science and Technology

Jiangsu Liangyou Zhengda

Jiangsu Zhengchang Group

B?hler AG

Andritz AG

TECNIC

Ohkawara Kakohki Co., Ltd.

Buss-SMS-Canzler GmbH

Market segment by regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia, Italy and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-Pacific)

South America (Brazil, Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

**The content of the study subjects, includes a total of 13 chapters:**

Chapter 1, to describe Biomanufacturing Equipment for the Stages of Microbial Strain Engineering and Cell Factory Construction product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Biomanufacturing Equipment for the Stages of Microbial Strain Engineering and Cell Factory Construction, with revenue, gross margin, and global market share of Biomanufacturing Equipment for the Stages of Microbial Strain Engineering and Cell Factory Construction from 2021 to 2026.

Chapter 3, the Biomanufacturing Equipment for the Stages of Microbial Strain Engineering and Cell Factory Construction competitive situation, revenue, and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and by Application, with consumption value and growth rate by Type, by Application, from 2021 to 2032.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2021 to 2026. and Biomanufacturing Equipment for the Stages of Microbial Strain Engineering and Cell Factory Construction market forecast, by regions, by Type and by Application, with consumption value, from 2027 to 2032.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Biomanufacturing Equipment for the Stages of Microbial Strain Engineering and Cell Factory Construction.

Chapter 13, to describe Biomanufacturing Equipment for the Stages of Microbial Strain Engineering and Cell Factory Construction research findings and conclusion.

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