

Biotechnology Reagents Market Report by Technology (Life Science Reagents, Analytical Reagents), Application (Protein Synthesis and Purification, Gene Expression, DNA and RNA Analysis, Drug Testing, and Others), and Region 2024-2032

<https://marketpublishers.com/r/B2330FBEBFC0EN.html>

Date: March 2024

Pages: 138

Price: US\$ 2,999.00 (Single User License)

ID: B2330FBEBFC0EN

Abstracts

The global biotechnology reagents market size reached US\$ 85,410.1 Million in 2023. Looking forward, IMARC Group expects the market to reach US\$ 165,819.5 Million by 2032, exhibiting a growth rate (CAGR) of 7.42% during 2024-2032. Increasing research and development (R&D) activities in the life sciences sector, the growing demand for personalized medicine and targeted therapies, the rapid advancements in genomics and proteomics research, and the surging prevalence of chronic and infectious diseases represent some of the key factors driving the market.

Biotechnology reagents play a pivotal role in the field of life sciences, facilitating various research and diagnostic applications. They are vital components used in biotechnology processes to enable the isolation, analysis, and manipulation of biological molecules and systems. They are made through meticulous manufacturing processes and are designed to provide accurate and reliable results, ensuring the progress and success of experiments and investigations. One of the key advantages of biotechnology reagents is their versatility and broad applicability across multiple disciplines within the life sciences. They are utilized in various research areas, such as genomics, proteomics, cell biology, molecular diagnostics, and drug discovery, as they enable scientists to extract and purify deoxyribonucleic acid (DNA), ribonucleic acid (RNA), and proteins, as well as perform assays, detect biomarkers, and conduct gene expression studies. Biotechnology reagents also facilitate the development of new therapeutic drugs,

vaccines, and personalized medicines, contributing to advancements in healthcare and the treatment of diseases.

Biotechnology Reagents Market Trends:

The global biotechnology reagents market is bolstered by numerous factors, including the increasing research and development (R&D) activities in the life sciences sector and the growing demand for personalized medicine and targeted therapies. Moreover, the rapid advancements in genomics and proteomics research and the surging prevalence of chronic and infectious diseases are accelerating the market growth. Besides this, the technological advancements in biotechnology and molecular biology and the expansion of pharmaceutical and biotechnology industries are providing an impetus to the market growth. Additionally, the burgeoning investments in healthcare infrastructure and government initiatives and funding for research projects are other growth-inducing factors. In line with this, the escalating collaborations between academic institutions and industry players and growing awareness and adoption of molecular diagnostics are supporting the market growth. Furthermore, the emergence of bioinformatics and computational biology and the expansion of biobanking and biorepository facilities are augmenting the market growth. Other factors, such as the surging demand for high-quality reagents for accurate experimental results, escalating demand for genetically modified organisms (GMOs) in agriculture, and the development of novel reagents for emerging applications, such as CRISPR/Cas9 gene editing, are positively contributing to the market growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global biotechnology reagents market, along with forecasts at the global, regional, and country levels from 2024-2032. Our report has categorized the market based on technology and application.

Technology Insights:

Life Science Reagents

PCR

Cell Culture

Hematology

In-Vitro Diagnostics

Others

Analytical Reagents

Chromatography

Mass Spectrometry

Electrophoresis

Flow Cytometry

Others

A detailed breakup and analysis of the biotechnology reagents market based on the technology has also been provided in the report. This includes life science reagents (PCR, cell culture, hematology, In-Vitro diagnostics, and others) and analytical reagents (chromatography, mass spectrometry, electrophoresis, flow cytometry, and others).

Application Insights:

Protein Synthesis and Purification

Gene Expression

DNA and RNA Analysis

Drug Testing

Others

A detailed breakup and analysis of the biotechnology reagents market based on the application has also been provided in the report. This includes protein synthesis and purification, gene expression, DNA and RNA analysis, drug testing, and others.

Regional Insights:

North America

United States

Canada

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

The report has also provided a comprehensive analysis of all the major regional markets, which include North America (the United States and Canada); Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others); Europe (Germany, France, the United Kingdom, Italy, Spain, Russia, and others); Latin America (Brazil, Mexico, and others); and the Middle East and Africa. According to the report, North America was the largest market for biotechnology reagents. Some of the factors driving the North America biotechnology reagents market included the surging applications of biotechnology in environmental monitoring and remediation, the development of novel reagents for emerging applications, such as CRISPR/Cas9 gene editing, and the expansion of the biotechnology industry.

Competitive Landscape:

The report has also provided a comprehensive analysis of the competitive landscape in the global biotechnology reagents market. Detailed profiles of all major companies have been provided. Some of the companies covered include Agilent Technologies Inc., Beckman Coulter Inc. (Danaher Corporation), Becton Dickinson and Company, bioMérieux SA, Bio-Rad Laboratories Inc., Illumina Inc., Lonza Group AG, Merck KGaA, Meridian Bioscience Inc. (SD Biosensor), PerkinElmer Inc., Promega Corporation, Thermo Fisher Scientific Inc., and Waters Corporation etc. Kindly note that this only represents a partial list of companies, and the complete list has been provided in the report.

Key Questions Answered in This Report:

How has the global biotechnology reagents market performed so far, and how will it perform in the coming years?

What are the drivers, restraints, and opportunities in the global biotechnology reagents market?

What is the impact of each driver, restraint, and opportunity on the global biotechnology reagents market?

What are the key regional markets?

Which countries represent the most attractive biotechnology reagents market?

What is the breakup of the market based on technology?

Which is the most attractive technology in the biotechnology reagents market?

What is the breakup of the market based on the application?

Which is the most attractive application in the biotechnology reagents market?

What is the competitive structure of the global biotechnology reagents market?

Who are the key players/companies in the global biotechnology reagents market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL BIOTECHNOLOGY REAGENTS MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY TECHNOLOGY

- 6.1 Life Science Reagents
 - 6.1.1 Market Trends
 - 6.1.2 Key Segments
 - 6.1.2.1 PCR
 - 6.1.2.2 Cell Culture
 - 6.1.2.3 Hematology
 - 6.1.2.4 In-Vitro Diagnostics

- 6.1.2.5 Others
- 6.1.3 Market Forecast
- 6.2 Analytical Reagents
 - 6.2.1 Market Trends
 - 6.2.2 Key Segments
 - 6.2.2.1 Chromatography
 - 6.2.2.2 Mass Spectrometry
 - 6.2.2.3 Electrophoresis
 - 6.2.2.4 Flow Cytometry
 - 6.2.2.5 Others
 - 6.2.3 Market Forecast

7 MARKET BREAKUP BY APPLICATION

- 7.1 Protein Synthesis and Purification
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
- 7.2 Gene Expression
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
- 7.3 DNA and RNA Analysis
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast
- 7.4 Drug Testing
 - 7.4.1 Market Trends
 - 7.4.2 Market Forecast
- 7.5 Others
 - 7.5.1 Market Trends
 - 7.5.2 Market Forecast

8 MARKET BREAKUP BY REGION

- 8.1 North America
 - 8.1.1 United States
 - 8.1.1.1 Market Trends
 - 8.1.1.2 Market Forecast
 - 8.1.2 Canada
 - 8.1.2.1 Market Trends
 - 8.1.2.2 Market Forecast

8.2 Asia-Pacific

8.2.1 China

8.2.1.1 Market Trends

8.2.1.2 Market Forecast

8.2.2 Japan

8.2.2.1 Market Trends

8.2.2.2 Market Forecast

8.2.3 India

8.2.3.1 Market Trends

8.2.3.2 Market Forecast

8.2.4 South Korea

8.2.4.1 Market Trends

8.2.4.2 Market Forecast

8.2.5 Australia

8.2.5.1 Market Trends

8.2.5.2 Market Forecast

8.2.6 Indonesia

8.2.6.1 Market Trends

8.2.6.2 Market Forecast

8.2.7 Others

8.2.7.1 Market Trends

8.2.7.2 Market Forecast

8.3 Europe

8.3.1 Germany

8.3.1.1 Market Trends

8.3.1.2 Market Forecast

8.3.2 France

8.3.2.1 Market Trends

8.3.2.2 Market Forecast

8.3.3 United Kingdom

8.3.3.1 Market Trends

8.3.3.2 Market Forecast

8.3.4 Italy

8.3.4.1 Market Trends

8.3.4.2 Market Forecast

8.3.5 Spain

8.3.5.1 Market Trends

8.3.5.2 Market Forecast

8.3.6 Russia

8.3.6.1 Market Trends

8.3.6.2 Market Forecast

8.3.7 Others

8.3.7.1 Market Trends

8.3.7.2 Market Forecast

8.4 Latin America

8.4.1 Brazil

8.4.1.1 Market Trends

8.4.1.2 Market Forecast

8.4.2 Mexico

8.4.2.1 Market Trends

8.4.2.2 Market Forecast

8.4.3 Others

8.4.3.1 Market Trends

8.4.3.2 Market Forecast

8.5 Middle East and Africa

8.5.1 Market Trends

8.5.2 Market Breakup by Country

8.5.3 Market Forecast

9 DRIVERS, RESTRAINTS, AND OPPORTUNITIES

9.1 Overview

9.2 Drivers

9.3 Restraints

9.4 Opportunities

10 VALUE CHAIN ANALYSIS

11 PORTERS FIVE FORCES ANALYSIS

11.1 Overview

11.2 Bargaining Power of Buyers

11.3 Bargaining Power of Suppliers

11.4 Degree of Competition

11.5 Threat of New Entrants

11.6 Threat of Substitutes

12 PRICE ANALYSIS

13 COMPETITIVE LANDSCAPE

13.1 Market Structure

13.2 Key Players

13.3 Profiles of Key Players

13.3.1 Agilent Technologies Inc.

13.3.1.1 Company Overview

13.3.1.2 Product Portfolio

13.3.1.3 Financials

13.3.1.4 SWOT Analysis

13.3.2 Beckman Coulter Inc. (Danaher Corporation)

13.3.2.1 Company Overview

13.3.2.2 Product Portfolio

13.3.2.3 SWOT Analysis

13.3.3 Becton Dickinson and Company

13.3.3.1 Company Overview

13.3.3.2 Product Portfolio

13.3.3.3 Financials

13.3.3.4 SWOT Analysis

13.3.4 bioMérieux SA

13.3.4.1 Company Overview

13.3.4.2 Product Portfolio

13.3.4.3 Financials

13.3.4.4 SWOT Analysis

13.3.5 Bio-Rad Laboratories Inc.

13.3.5.1 Company Overview

13.3.5.2 Product Portfolio

13.3.5.3 Financials

13.3.5.4 SWOT Analysis

13.3.6 Illumina Inc.

13.3.6.1 Company Overview

13.3.6.2 Product Portfolio

13.3.6.3 Financials

13.3.6.4 SWOT Analysis

13.3.7 Lonza Group AG

13.3.7.1 Company Overview

13.3.7.2 Product Portfolio

13.3.7.3 Financials

- 13.3.7.4 SWOT Analysis
- 13.3.8 Merck KGaA
 - 13.3.8.1 Company Overview
 - 13.3.8.2 Product Portfolio
 - 13.3.8.3 Financials
 - 13.3.8.4 SWOT Analysis
- 13.3.9 Meridian Bioscience Inc. (SD Biosensor)
 - 13.3.9.1 Company Overview
 - 13.3.9.2 Product Portfolio
 - 13.3.9.3 SWOT Analysis
- 13.3.10 PerkinElmer Inc.
 - 13.3.10.1 Company Overview
 - 13.3.10.2 Product Portfolio
 - 13.3.10.3 Financials
 - 13.3.10.4 SWOT Analysis
- 13.3.11 Promega Corporation
 - 13.3.11.1 Company Overview
 - 13.3.11.2 Product Portfolio
- 13.3.12 Thermo Fisher Scientific Inc.
 - 13.3.12.1 Company Overview
 - 13.3.12.2 Product Portfolio
 - 13.3.12.3 Financials
 - 13.3.12.4 SWOT Analysis
- 13.3.13 Waters Corporation
 - 13.3.13.1 Company Overview
 - 13.3.13.2 Product Portfolio
 - 13.3.13.3 Financials
 - 13.3.13.4 SWOT Analysis

Kindly note that this only represents a partial list of companies, and the complete list has been provided in the report.

List Of Tables

LIST OF TABLES

Table 1: Global: Biotechnology Reagents Market: Key Industry Highlights, 2023 & 2032

Table 2: Global: Biotechnology Reagents Market Forecast: Breakup by Technology (in Million US\$), 2024-2032

Table 3: Global: Biotechnology Reagents Market Forecast: Breakup by Application (in Million US\$), 2024-2032

Table 4: Global: Biotechnology Reagents Market Forecast: Breakup by Region (in Million US\$), 2024-2032

Table 5: Global: Biotechnology Reagents Market: Competitive Structure

Table 6: Global: Biotechnology Reagents Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: Biotechnology Reagents Market: Major Drivers and Challenges

Figure 2: Global: Biotechnology Reagents Market: Sales Value (in Million US\$), 2018-2023

Figure 3: Global: Biotechnology Reagents Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 4: Global: Biotechnology Reagents Market: Breakup by Technology (in %), 2023

Figure 5: Global: Biotechnology Reagents Market: Breakup by Application (in %), 2023

Figure 6: Global: Biotechnology Reagents Market: Breakup by Region (in %), 2023

Figure 7: Global: Biotechnology Reagents (Life Science Reagents) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 8: Global: Biotechnology Reagents (Life Science Reagents) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 9: Global: Biotechnology Reagents (Analytical Reagents) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 10: Global: Biotechnology Reagents (Analytical Reagents) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 11: Global: Biotechnology Reagents (Protein Synthesis and Purification) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 12: Global: Biotechnology Reagents (Protein Synthesis and Purification) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 13: Global: Biotechnology Reagents (Gene Expression) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 14: Global: Biotechnology Reagents (Gene Expression) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 15: Global: Biotechnology Reagents (DNA and RNA Analysis) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 16: Global: Biotechnology Reagents (DNA and RNA Analysis) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 17: Global: Biotechnology Reagents (Drug Testing) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 18: Global: Biotechnology Reagents (Drug Testing) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 19: Global: Biotechnology Reagents (Other Applications) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 20: Global: Biotechnology Reagents (Other Applications) Market Forecast: Sales

Value (in Million US\$), 2024-2032

Figure 21: North America: Biotechnology Reagents Market: Sales Value (in Million US\$), 2018 & 2023

Figure 22: North America: Biotechnology Reagents Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 23: United States: Biotechnology Reagents Market: Sales Value (in Million US\$), 2018 & 2023

Figure 24: United States: Biotechnology Reagents Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 25: Canada: Biotechnology Reagents Market: Sales Value (in Million US\$), 2018 & 2023

Figure 26: Canada: Biotechnology Reagents Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 27: Asia-Pacific: Biotechnology Reagents Market: Sales Value (in Million US\$), 2018 & 2023

Figure 28: Asia-Pacific: Biotechnology Reagents Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 29: China: Biotechnology Reagents Market: Sales Value (in Million US\$), 2018 & 2023

Figure 30: China: Biotechnology Reagents Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 31: Japan: Biotechnology Reagents Market: Sales Value (in Million US\$), 2018 & 2023

Figure 32: Japan: Biotechnology Reagents Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 33: India: Biotechnology Reagents Market: Sales Value (in Million US\$), 2018 & 2023

Figure 34: India: Biotechnology Reagents Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 35: South Korea: Biotechnology Reagents Market: Sales Value (in Million US\$), 2018 & 2023

Figure 36: South Korea: Biotechnology Reagents Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 37: Australia: Biotechnology Reagents Market: Sales Value (in Million US\$), 2018 & 2023

Figure 38: Australia: Biotechnology Reagents Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 39: Indonesia: Biotechnology Reagents Market: Sales Value (in Million US\$), 2018 & 2023

Figure 40: Indonesia: Biotechnology Reagents Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 41: Others: Biotechnology Reagents Market: Sales Value (in Million US\$), 2018 & 2023

Figure 42: Others: Biotechnology Reagents Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 43: Europe: Biotechnology Reagents Market: Sales Value (in Million US\$), 2018 & 2023

Figure 44: Europe: Biotechnology Reagents Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 45: Germany: Biotechnology Reagents Market: Sales Value (in Million US\$), 2018 & 2023

Figure 46: Germany: Biotechnology Reagents Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 47: France: Biotechnology Reagents Market: Sales Value (in Million US\$), 2018 & 2023

Figure 48: France: Biotechnology Reagents Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 49: United Kingdom: Biotechnology Reagents Market: Sales Value (in Million US\$), 2018 & 2023

Figure 50: United Kingdom: Biotechnology Reagents Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 51: Italy: Biotechnology Reagents Market: Sales Value (in Million US\$), 2018 & 2023

Figure 52: Italy: Biotechnology Reagents Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 53: Spain: Biotechnology Reagents Market: Sales Value (in Million US\$), 2018 & 2023

Figure 54: Spain: Biotechnology Reagents Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 55: Russia: Biotechnology Reagents Market: Sales Value (in Million US\$), 2018 & 2023

Figure 56: Russia: Biotechnology Reagents Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 57: Others: Biotechnology Reagents Market: Sales Value (in Million US\$), 2018 & 2023

Figure 58: Others: Biotechnology Reagents Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 59: Latin America: Biotechnology Reagents Market: Sales Value (in Million US\$),

2018 & 2023

Figure 60: Latin America: Biotechnology Reagents Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 61: Brazil: Biotechnology Reagents Market: Sales Value (in Million US\$), 2018 & 2023

Figure 62: Brazil: Biotechnology Reagents Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 63: Mexico: Biotechnology Reagents Market: Sales Value (in Million US\$), 2018 & 2023

Figure 64: Mexico: Biotechnology Reagents Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 65: Others: Biotechnology Reagents Market: Sales Value (in Million US\$), 2018 & 2023

Figure 66: Others: Biotechnology Reagents Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 67: Middle East and Africa: Biotechnology Reagents Market: Sales Value (in Million US\$), 2018 & 2023

Figure 68: Middle East and Africa: Biotechnology Reagents Market: Breakup by Country (in %), 2023

Figure 69: Middle East and Africa: Biotechnology Reagents Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 70: Global: Biotechnology Reagents Industry: Drivers, Restraints, and Opportunities

Figure 71: Global: Biotechnology Reagents Industry: Value Chain Analysis

Figure 72: Global: Biotechnology Reagents Industry: Porter's Five Forces Analysis

I would like to order

Product name: Biotechnology Reagents Market Report by Technology (Life Science Reagents, Analytical Reagents), Application (Protein Synthesis and Purification, Gene Expression, DNA and RNA Analysis, Drug Testing, and Others), and Region 2024-2032

Product link: <https://marketpublishers.com/r/B2330FBEBFC0EN.html>

Price: US\$ 2,999.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/B2330FBEBFC0EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:

Last name:

Email:

Company:

Address:

City:

Zip code:

Country:

Tel:

Fax:

Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970