

# **Separation Systems for Commercial Biotechnology Market Report by Methods (Modern Methods, Conventional Methods), Application (Pharmaceutical, Food and Cosmetics, Agriculture, and Others), and Region 2024-2032**

<https://marketpublishers.com/r/SE4726A8B4E1EN.html>

Date: July 2024

Pages: 138

Price: US\$ 3,899.00 (Single User License)

ID: SE4726A8B4E1EN

## **Abstracts**

The global separation systems for commercial biotechnology market size reached US\$ 26.8 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 42.9 Billion by 2032, exhibiting a growth rate (CAGR) of 5.24% during 2024-2032.

The separation systems for commercial biotechnology refer to the solutions used for the purification and separation of biological products from complex mixtures and solutions, including biochemicals, diagnostic reagents and biopharmaceuticals. The separation is based on the electrostatic charge, density, shape, polarity, solubility, diffusivity and volatility of the product. It involves the use of various equipment and devices, such as chromatographs, membranes, filters, centrifuges, biochips and microarrays. These solutions offer improved resin productivity, higher recovery and minimal waste generation and wash water usage. As a result, separation systems find extensive applications across various industries, including pharmaceutical, food and beverage, cosmetic and agriculture.

Separation Systems for Commercial Biotechnology Market Trends:

Significant growth in the pharmaceutical industry across the globe is one of the key factors creating a positive outlook for the market. With the increasing prevalence of chronic medical ailments, there is a rising demand for personalized drugs, biopharmaceuticals and cell-based therapies, which is impacting the demand for separation systems for commercial biotechnology. Moreover, the widespread adoption of magnetic separators for the commercial production of plastics and chemicals is

providing a thrust to the market growth. Additionally, various technological advancements, such as the development of innovative upstream bioprocessing technologies that facilitate in the elimination of biohazardous by-products using simplified procedures, are acting as growth-inducing factors. Biotechnological institutes and research organizations are also using novel high-performance gas and supercritical fluid chromatography, centrifugation and electrophoresis equipment for the separation of sensitive and large molecules. Other factors, including improvements in the healthcare infrastructure, especially in the developing economies, along with extensive research and development (R&D) in the field of biotechnology, are anticipated to drive the market toward growth.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global separation systems for commercial biotechnology market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on methods and application.

#### Breakup by Methods:

##### Modern Methods

Microarray

Lab-on-a-Chip

Magnetic Separation

Others

##### Conventional Methods

Chromatography

Flow Cytometry

Membrane Filtration

Others

#### Breakup by Application:

Pharmaceutical

Vaccines

Proteins

Hormones and Insulin

Enzymes

Human Blood Plasma Fractionation

Mammalian Cell Cultures

Food and Cosmetics  
Agriculture  
Others

#### Breakup by Region:

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

#### Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Agilent Technologies Inc., Becton Dickinson and Company, Bio-Rad Laboratories Inc., Hitachi Ltd., Merck KGaA, Pall Corporation (Danaher Corporation), PerkinElmer Inc., Qiagen N.V, Repligen Corporation, Sartorius AG, Shimadzu Corporation and Thermo Fisher Scientific.

#### Key Questions Answered in This Report

1. What was the size of the global separation systems for commercial biotechnology market in 2023?
2. What is the expected growth rate of the global separation systems for commercial biotechnology market during 2024-2032?
3. What are the key factors driving the global separation systems for commercial biotechnology market?
4. What has been the impact of COVID-19 on the global separation systems for commercial biotechnology market?
5. What is the breakup of the global separation systems for commercial biotechnology market based on the methods?
6. What is the breakup of the global separation systems for commercial biotechnology market based on the application?
7. What are the key regions in the global separation systems for commercial biotechnology market?
8. Who are the key players/companies in the global separation systems for commercial biotechnology 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 SEPARATION SYSTEMS FOR COMMERCIAL BIOTECHNOLOGY MARKET**

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

### **6 MARKET BREAKUP BY METHODS**

- 6.1 Modern Methods
  - 6.1.1 Market Trends
  - 6.1.2 Key Segments
    - 6.1.2.1 Microarray
    - 6.1.2.2 Lab-on-a-Chip
    - 6.1.2.3 Magnetic Separation

- 6.1.2.4 Others
- 6.1.3 Market Forecast
- 6.2 Conventional Methods
  - 6.2.1 Market Trends
  - 6.2.2 Key Segments
    - 6.2.2.1 Chromatography
    - 6.2.2.2 Flow Cytometry
    - 6.2.2.3 Membrane Filtration
    - 6.2.2.4 Others
  - 6.2.3 Market Forecast

## **7 MARKET BREAKUP BY APPLICATION**

- 7.1 Pharmaceutical
  - 7.1.1 Market Trends
  - 7.1.2 Key Segments
    - 7.1.2.1 Vaccines
    - 7.1.2.2 Proteins
    - 7.1.2.3 Hormones and Insulin
    - 7.1.2.4 Enzymes
    - 7.1.2.5 Human Blood Plasma Fractionation
    - 7.1.2.6 Mammalian Cell Cultures
  - 7.1.3 Market Forecast
- 7.2 Food and Cosmetics
  - 7.2.1 Market Trends
  - 7.2.2 Market Forecast
- 7.3 Agriculture
  - 7.3.1 Market Trends
  - 7.3.2 Market Forecast
- 7.4 Others
  - 7.4.1 Market Trends
  - 7.4.2 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 SWOT ANALYSIS**

- 9.1 Overview
- 9.2 Strengths
- 9.3 Weaknesses
- 9.4 Opportunities
- 9.5 Threats

## **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 Becton Dickinson and Company

13.3.2.1 Company Overview

13.3.2.2 Product Portfolio

13.3.2.3 Financials

13.3.2.4 SWOT Analysis

13.3.3 Bio-Rad Laboratories Inc.

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 Hitachi Ltd.

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 Merck KGaA

13.3.5.1 Company Overview

13.3.5.2 Product Portfolio

13.3.5.3 Financials

13.3.6 Pall Corporation (Danaher Corporation)

13.3.6.1 Company Overview

13.3.6.2 Product Portfolio

13.3.6.3 SWOT Analysis

13.3.7 PerkinElmer Inc.

- 13.3.7.1 Company Overview
- 13.3.7.2 Product Portfolio
- 13.3.7.3 Financials
- 13.3.8 Qiagen N.V
  - 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 Repligen Corporation
  - 13.3.9.1 Company Overview
  - 13.3.9.2 Product Portfolio
  - 13.3.9.3 Financials
- 13.3.10 Sartorius AG
  - 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 Shimadzu Corporation
  - 13.3.11.1 Company Overview
  - 13.3.11.2 Product Portfolio
  - 13.3.11.3 Financials
  - 13.3.11.4 SWOT Analysis
- 13.3.12 Thermo Fisher Scientific
  - 13.3.12.1 Company Overview
  - 13.3.12.2 Product Portfolio
  - 13.3.12.3 Financials
  - 13.3.12.4 SWOT Analysis

## I would like to order

Product name: Separation Systems for Commercial Biotechnology Market Report by Methods (Modern Methods, Conventional Methods), Application (Pharmaceutical, Food and Cosmetics, Agriculture, and Others), and Region 2024-2032

Product link: <https://marketpublishers.com/r/SE4726A8B4E1EN.html>

Price: US\$ 3,899.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/SE4726A8B4E1EN.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