

Next-Generation Biomanufacturing Market - A Global Analysis: Focus on Single-Use and Digital Platform and Segment Analysis for Workflow, Products, Medical Application, End User, Country Data (16 Countries), and Competitive Landscape - Analysis and Forecast, 2020-2031

<https://marketpublishers.com/r/N5EC6A4908A3EN.html>

Date: November 2021

Pages: 256

Price: US\$ 5,250.00 (Single User License)

ID: N5EC6A4908A3EN

Abstracts

Hard copy option is available on any of the options above at an additional charge of \$500. Please email us at order@marketpublishers.com with your request.

Market Report Coverage - Next-Generation Biomanufacturing

Market Segmentation

Workflow - Upstream Biomanufacturing and Downstream Biomanufacturing

Product - Continuous Upstream Biomanufacturing Products, Single-Use Upstream Biomanufacturing Products, and Downstream Biomanufacturing Products

Medical Application - Monoclonal Antibodies, Hormones, Vaccines, Recombinant Proteins, Other Applications

End User - Biopharmaceutical Companies, CMOs/CDMOs, Research Institutions

Regional Segmentation

Next-Generation Biomanufacturing Market - A Global Analysis: Focus on Single-Use and Digital Platform and Segm...

North America - U.S. and Canada

Europe - U.K., Germany, France, Italy, Spain, Ireland, Switzerland, Russia and Rest-of-Europe

Asia Pacific - China, Japan, India, South Korea, Australia, Singapore and Rest-of-Asia-Pacific

Latin America - Brazil, Mexico, Argentina and Rest-of-Latin America

Rest-of-the-World

Market Growth Drivers

Increasing biologics and biosimilars approvals

Growing trend among biomanufacturing vendors to integrate automation technologies

Boosting bioproduction workflow while reducing cost, time, and labor

Market Challenges

Complex production steps, process operational complexity, risk of product contamination, maintenance of production efficiency, and validation challenges

Lack of skilled professionals

Unharmonized manufacturing standards and lack of knowledge and skilled labor in middle-income and low-income countries

Market Opportunities

Increasing development and commercialization of digital bioreactors

Increasing Investment in R&D and rapid development of the biopharmaceutical

industry

Key Companies Profiled

Applikon Biotechnology BV, bbi-biotech GmbH, Danaher Corporation, Eppendorf AG, Esco Group of Companies, GEA Group Aktiengesellschaft, Meissner Filtration Products, Inc., Merck KGaA, PBS Biotech, Inc., Pierre Guérin, Sartorius AG, Shanghai Bailun Biotechnology Co. Ltd., Solaris Biotechnology Srl., Thermo Fisher Scientific Inc., ZETA GmbH

Key Questions Answered in this Report:

What are the key trends of the global next-generation biomanufacturing market?
How is the market evolving, and what is its future scope?

What is the role of automation in biomanufacturing?

What are the major drivers, challenges, and opportunities of the global next-generation biomanufacturing market?

What is the regulatory framework of the global next-generation biomanufacturing market?

What is the market share of each of the players offering products for next-generation biomanufacturing? What are the key strategies implemented by the major players to sustain the competition of the global next-generation biomanufacturing market?

What was the market size of the global next-generation biomanufacturing market in 2020, and what is the anticipated market size in 2031? What is the expected growth rate of the global next-generation biomanufacturing market during the forecast period 2021-2031?

What are the different next-generation biomanufacturing products used in the medical field? Which product segment is expected to observe the highest CAGR in the market during the forecast period 2021-2031?

What are the key medical applications of the global next-generation

biomanufacturing market? Which application type is expected to witness the highest growth rate during the forecast period of 2021-2031?

Who are the key end users for the global next-generation biomanufacturing market? What was the market share held by each end user in the global next-generation biomanufacturing market in 2020? What is the expected growth rate and market share by 2031?

What was the market value of the leading segments and sub-segments of the global next-generation biomanufacturing market in 2020, and what are the values expected to be in 2031? What are the different macro- and micro-economic factors influencing the growth of the market?

Which region dominated the global next-generation biomanufacturing market in 2020? Which geography can be the target market for significant expansion of key companies for different next-generation biomanufacturing products?

What are the key countries contributing significantly toward the growth of the next-generation biomanufacturing market?

What are the key players of the global next-generation biomanufacturing market, and what is their role in the market? Who are the leading payers in the single-use bioreactor market?

Market Overview

Biomanufacturing is the process of production of commercially important biomolecules by utilizing biological systems for use in medicines, food and beverage processing, and industrial applications. Natural sources such as blood, cultures of microbes, animal cells, or plant cells are often employed to carry out biomanufacturing. Cells used in the production process can also be derived using genetic engineering techniques.

The research study titled “Global Next-Generation Biomanufacturing Market” is focused on understanding the key trends of next-generation biomanufacturing with the use of single-use bioreactors and digital bioreactors across the globe. The research study demonstrates the competitive landscape of the global next-generation biomanufacturing market and presents the market dynamics as well as the regulatory framework affecting the growth of the next-generation biomanufacturing across different regions. The study

also presents an in-depth analysis of the drivers, challenges, and opportunities of the market playing a significant role in major countries of North America, Europe, Asia-Pacific, Latin America, and the Rest-of-the-World.

The report is segmented based on workflow and product, medical application, end user, and region, thoroughly represented in different chapters. Each chapter provides a clear understanding of the products existing in the global next-generation biomanufacturing market and the current key trends in each domain. The chapter further mentions the key companies of each domain and represents their contribution to the market. The report study also provides a holistic view of 15 major companies playing a key role by contributing their next-generation biomanufacturing market products. In addition, the report covers detailed information on the advent of automation in biomanufacturing with data on types of automation, current trends, and opportunities in the field of automation.

BIS healthcare experts have found global next-generation biomanufacturing to be one of the most rapidly evolving markets. The global next-generation biomanufacturing market is expected to grow at a CAGR of 14.85% during the forecast period 2021-2031 and is expected to reach a value of \$85,201.2 million in 2031.

The following report presents the reader with an opportunity to unlock comprehensive insights regarding the next-generation biomanufacturing market and helps form well-informed strategic decisions. The market research study also offers a broad perspective of the different types of products and services available in the market and their impact on the biomanufacturing industry by providing critical insights into the direction of its future expansion.

Within the research report, the market is segmented based on workflow and product, medical application, end user, and region. Each of these segments has been further categorized into sub-segments to compile an in-depth study. Each of these segments covers the snapshot of the market over the projected years, the inclination of the market revenue, underlying patterns, and trends by using analytics on the primary and secondary data obtained.

The global next-generation biomanufacturing market, by workflow, is primarily dominated by upstream biomanufacturing. This is mainly attributed to the involvement of a large number of high-cost equipment in upstream biomanufacturing compared to downstream biomanufacturing. However, downstream biomanufacturing is expected to witness a high CAGR during the forecast compared to upstream biomanufacturing. This is mainly due to continuous product innovations in the chromatography product lines as

well as in filtration systems used in downstream processing.

Among the different regions, North America dominated the global next-generation biomanufacturing market in 2020. Large, well-equipped biomanufacturing facilities with advanced infrastructure and strong investments in the biomanufacturing sector are significantly promoting the growth of the next-generation biomanufacturing market in North America. Moreover, the ever-expanding biopharmaceuticals and biologics industry in North America is offering huge promises for the industry's growth, attracting the attention of the investors attempting to enter this field. Further, the headquarters of several key industry players in the U.S., such as Thermo Fisher Scientific, Inc., GE Healthcare, PBS Biotech, Inc., CESCO Bioengineering Co. Ltd., and Meissner Filtration Products, Inc., have further strengthened the market in the region.

Among all the regions, Asia-Pacific is expected to witness the highest CAGR during the forecast period 2021-2031. This is mainly attributed to the strong potential of emerging nations of Asia-Pacific, including Japan, India, Australia, South Korea, and Singapore, that are witnessing huge adoption of technologically advanced biomanufacturing equipment. The growing surge in new capacity installations to meet the increased product demand in developing nations of Asia-Pacific is further expected to boost the next-generation biomanufacturing market growth.

Competitive Landscape

The next-generation biomanufacturing market is largely dominated by companies such as Applikon Biotechnology BV, bbi-biotech GmbH, Danaher Corporation, Eppendorf AG, Esco Group of Companies, GEA Group Aktiengesellschaft, Meissner Filtration Products, Inc., Merck KGaA, PBS Biotech, Inc., Pierre Guérin, Sartorius AG, Shanghai Bailun Biotechnology Co. Ltd, Solaris Biotechnology Srl, Thermo Fisher Scientific Inc., ZETA GmbH. The bioprocess segment of a few companies like GE Healthcare was highly impacted by the COVID-19 pandemic due to the supply-demand gap. Due to this, the company reported low segment revenue in 2020. However, key players like Danaher Corporation witnessed high growth in the revenue attributed to the high demand for bioprocess solutions products.

The global -next-generation biomanufacturing market is growing exponentially due to the high rate of investments from both public and private sectors for the development of facilities equipped with advanced biomanufacturing equipment and instruments. Automation technologies are increasingly gaining prominence in the biomanufacturing industry over the years owing to their vast range of advantages in terms of greater

speed, productivity, and accuracy. Offering a more streamlined and centralized control, the market for automation systems is growing rapidly, with a greater number of companies investing and launching new automation solutions in the market.

Over the past five years, from 2017 to 2021, the next-generation biomanufacturing market has witnessed around 115 key developments biomanufacturing and automation undertaken by key companies that varied from acquisitions to partnerships and collaborations, among others. For instance, in February 2020, Honeywell International Inc. collaborated with Bigfinite, Inc. to contribute to process automation and controls technology with Bigfinite's AI, data analytics, and machine learning platform to pace the medical therapies by helping pharma and biotech industries. Further, in March 2019, Rockwell Automation and GE Healthcare underwent a collaborative agreement to combine their automation single-use solution expertise to build bioprocessing operations for digital bioprocessing.

Contents

1 MARKET OVERVIEW

- 1.1 Market Definition
- 1.2 Inclusions and Exclusions
- 1.3 Evolving Healthcare Scenario
- 1.4 Upstream and Downstream Processing
- 1.5 Biopharmaceutical Market Growth Boosting Demand for Biomanufacturing
- 1.6 Key Technology Trends
- 1.7 Digital Biomanufacturing Development Trends
- 1.8 The Future of Biomanufacturing: Next-Generation Biomanufacturing
- 1.9 Incremental Opportunity
- 1.1 Post-COVID and Pre-COVID View of Global Next-Generation Biomanufacturing Market

2 INDUSTRY ANALYSIS

- 2.1 Overview
- 2.2 Regulatory Scenario

3 MARKET DYNAMICS

- 3.1 Market Dynamics

4 COMPETITIVE LANDSCAPE

- 4.1 Overview
- 4.2 Key Developments and Strategies
 - 4.2.1 Partnerships and Alliances
 - 4.2.2 Business Expansion
 - 4.2.3 New Offerings
 - 4.2.4 Merger and Acquisition (M&A) Activities
 - 4.2.5 Others
- 4.3 Market Share Analysis (by Company)
- 4.4 Market Share Analysis (by Company) (Single-Use Bioreactors)
- 4.5 Market Share Analysis (by Company) (Automated/Semi-Automated Bioreactors)
- 4.6 Growth Share Analysis (by Company)

5 AUTOMATION IN BIOMANUFACTURING

5.1 Advent of Automation

5.2 Types of Automation

5.3 Market Dynamics

5.3.1 Impact Analysis of Market Dynamics

5.3.2 Market Drivers

5.3.2.1 Wide-Ranging Benefits Offered by Automation Systems

5.3.2.2 Growing Trend among Biomanufacturing Vendors to Integrate Automation

Technologies

5.3.2.3 Accelerating Regulatory Review Process

5.3.2.4 Boosting Bioproduction Workflow While Reducing Cost, Time, and Labor

5.3.2.5 Implementation of Multi-Vendor Approach with Increased Transparency

5.3.3 Market Challenge

5.3.3.1 Huge Capital Expenditure and Associated Unpredictable Costs

5.3.3.2 Operational Complexity and Compatibility Challenges

5.3.3.3 Lack of Skilled Professionals

5.4 Key Companies and Product Contribution

5.5 Global Biomanufacturing Automation Market

5.5.1 Biomanufacturing Automation Market, by Upstream and Downstream Automation

5.5.2 Biomanufacturing Automation Market, by Class

5.5.3 Biomanufacturing Automation Market, by Region

5.6 Key Developments and Strategies

5.6.1 Agreements, Partnerships, and Collaborations

5.6.2 New Offerings and Business Expansion

5.6.3 Acquisitions

5.7 Regulatory Considerations

5.7.1 Prospects of Biomanufacturing Automation

6 WORKFLOW AND PRODUCTS

6.1 Overview

6.2 Upstream Biomanufacturing

6.2.1 Continuous Upstream Biomanufacturing Products

6.2.1.1 Bioreactors/Fermenters

6.2.1.2 Bags and Containers

6.2.1.3 Cell Culture Products

6.2.1.4 Filtration Systems

6.2.1.5 Mixing Systems

- 6.2.1.6 Sterilizers
- 6.2.1.7 Biosafety Cabinets
- 6.2.1.8 Incubators
- 6.2.1.9 Other Instruments and Accessories
- 6.2.2 Single-Use Upstream Biomanufacturing Products
 - 6.2.2.1 Single-Use Bioreactors/Fermenters
 - 6.2.2.2 Single-Use Bags and Containers
 - 6.2.2.3 Single-Use Tubing and Connectors
 - 6.2.2.4 Single-Use Mixing Systems
 - 6.2.2.5 Single-Use Sensors and Probes
- 6.3 Downstream Processing
 - 6.3.1 Downstream Biomanufacturing Products
 - 6.3.1.1 Chromatography Systems
 - 6.3.1.2 Filtration Systems
 - 6.3.1.3 Membrane Adsorbers
 - 6.3.1.4 Instruments and Accessories
 - 6.3.1.5 Single-Use Equipment and Accessories

7 MEDICAL APPLICATION

- 7.1 Overview
- 7.2 Monoclonal Antibodies
- 7.3 Vaccines
- 7.4 Recombinant Proteins
- 7.5 Hormones
- 7.6 Other Applications

8 END USER

- 8.1 Overview
- 8.2 Biopharmaceutical Companies
- 8.3 CMOs/CDMOs
- 8.4 Research Institutions

9 REGIONS

- 9.1 Overview
- 9.2 Growth Potential Analysis
- 9.3 Supply and Demand Analysis

9.4 North America

9.4.1 Overview

9.4.2 U.S.

9.4.3 Canada

9.5 Europe

9.5.1 Overview

9.5.2 Germany

9.5.3 France

9.5.4 U.K.

9.5.5 Italy

9.5.6 Spain

9.5.7 Ireland

9.5.8 Switzerland

9.5.9 Russia

9.5.10 Rest-of-Europe

9.6 Asia-Pacific

9.6.1 Overview

9.6.2 China

9.6.3 Japan

9.6.4 India

9.6.5 South Korea

9.6.6 Australia

9.6.7 Singapore

9.6.8 Rest-of-Asia-Pacific

9.6.9 Latin America

9.6.10 Rest-of-the-World

10 MARKETS - COMPETITIVE BENCHMARKING & COMPANY PROFILES

10.1 Overview

10.2 Applikon Biotechnology BV

10.2.1 Company Overview

10.2.2 Role of Applikon Biotechnology BV in the Global Next-Generation

Biomanufacturing Market

10.2.3 SWOT Analysis

10.3 bbi-biotech GmbH

10.3.1 Company Overview

10.3.2 Role of bbi-biotech GmbH in the Global Next-Generation Biomanufacturing Market

- 10.3.3 SWOT Analysis
- 10.4 Danaher Corporation
 - 10.4.1 Company Overview
 - 10.4.2 Role of Danaher Corporation in the Global Next-Generation Biomanufacturing Market
 - 10.4.3 Financials
 - 10.4.4 SWOT Analysis
- 10.5 Eppendorf AG
 - 10.5.1 Company Overview
 - 10.5.2 Role of Eppendorf AG in the Global Next-Generation Biomanufacturing Market
 - 10.5.3 Financials
 - 10.5.4 SWOT Analysis
- 10.6 Esco Group of Companies
 - 10.6.1 Company Overview
 - 10.6.2 Role of Esco Group of Companies in the Global Next-Generation Biomanufacturing Market
 - 10.6.3 SWOT Analysis
- 10.7 GEA Group Aktiengesellschaft
 - 10.7.1 Company Overview
 - 10.7.2 Role of GEA Group Aktiengesellschaft in the Global Next-Generation Biomanufacturing Market
 - 10.7.3 Financials
 - 10.7.4 SWOT Analysis
- 10.8 Meissner Filtration Products, Inc.
 - 10.8.1 Company Overview
 - 10.8.2 Role of Meissner Filtration Products, Inc. in the Global Next-Generation Biomanufacturing Market
 - 10.8.3 SWOT Analysis
- 10.9 Merck KGaA
 - 10.9.1 Company Overview
 - 10.9.2 Role of Merck KGaA in the Global Next-Generation Biomanufacturing Market
 - 10.9.3 Financials
 - 10.9.4 SWOT Analysis
- 10.1 PBS Biotech, Inc.
 - 10.10.1 Company Overview
 - 10.10.2 Role of PBS Biotech, Inc. in the Global Next-Generation Biomanufacturing Market
 - 10.10.3 SWOT Analysis
- 10.11 Pierre Guérin

- 10.11.1 Company Overview
- 10.11.2 Role of Pierre Guérin in the Global Next-Generation Biomanufacturing Market
- 10.11.3 SWOT Analysis
- 10.12 Sartorius AG
 - 10.12.1 Company Overview
 - 10.12.2 Role of Sartorius AG in the Global Next-Generation Biomanufacturing Market
 - 10.12.3 Financials
 - 10.12.4 SWOT Analysis
- 10.13 Shanghai Bailun Biotechnology Co. Ltd.
 - 10.13.1 Company Overview
 - 10.13.2 Role of Shanghai Bailun Biotechnology Co. Ltd. in the Global Next-Generation Biomanufacturing Market
 - 10.13.3 SWOT Analysis
- 10.14 Solaris Biotechnology Srl.
 - 10.14.1 Company Overview
 - 10.14.2 Role of Solaris Biotechnology Srl. in the Global Next-Generation Biomanufacturing Market
 - 10.14.3 SWOT Analysis
- 10.15 Thermo Fisher Scientific Inc.
 - 10.15.1 Company Overview
 - 10.15.2 Role of Thermo Fisher Scientific Inc. in the Global Next-Generation Biomanufacturing Market
 - 10.15.3 Financials
 - 10.15.4 SWOT Analysis
- 10.16 ZETA GmbH
 - 10.16.1 Company Overview
 - 10.16.2 Role of ZETA GmbH in the Global Next-Generation Biomanufacturing Market
 - 10.16.3 SWOT Analysis

List Of Figures

LIST OF FIGURES

Figure 1: Key Players of the Global Next-Generation Biomanufacturing Market

Figure 2: Drivers and Restraints of the Global Next-Generation Biomanufacturing Market

Figure 3: Share of Key Developments and Strategies, January 2017-October 2021

Figure 4: Global Next-Generation Biomanufacturing Market Segmentation (by Product)

Figure 5: Global Next-Generation Biomanufacturing Market (by Workflow and Product), \$Million, 2020-2031

Figure 6: Global Next-Generation Biomanufacturing Market, Post-COVID and Pre-COVID Scenario, \$Million, 2020-2031

Figure 7: Global Next-Generation Biomanufacturing Market Dynamics

Figure 8: Growth Share Matrix for Global Next-Generation Biomanufacturing Market (by Company), 2019 and 2020

Figure 9: Global Next-Generation Biomanufacturing Market Research Methodology

Figure 10: Primary Research Methodology

Figure 11: Steps Involved in Bioprocessing

Figure 12: Global Next-Generation Biomanufacturing Market Segmentation

Figure 13: Incremental Opportunity: Global Next-Generation Biomanufacturing Market, \$Million, 2020-2031

Figure 14: Post-COVID and Pre-COVID View of Global Next-Generation Biomanufacturing Market, \$Million, 2020-2031

Figure 15: Workflow Associated with Biomanufacturing

Figure 16: Global Next-Generation Biomanufacturing Market Dynamics

Figure 17: Competitive Landscape: Global Next-Generation Biomanufacturing Market, January 2017-October 2021

Figure 18: Share of Key Developments and Strategies, January 2017-October 2021

Figure 19: Partnerships and Alliances (by Company), January 2017-October 2021

Figure 20: Business Expansion (by Company), January 2017-October 2021

Figure 21: New Offerings (by Company), January 2017-October 2021

Figure 22: Merger and Acquisition (M&A) Activities (by Company), January 2017-October 2021

Figure 23: Market Share Analysis of Global Next-Generation Biomanufacturing Market (by Company), 2019 and 2020

Figure 24: Market Share Analysis of Single-Use Bioreactors (by Key Players), 2020

Figure 25: Market Share Analysis of Automated/Semi-Automated Bioreactors (by Key Players), 2020

Figure 26: Growth Share Matrix for Global Next-Generation Biomanufacturing Market (by Company), 2020

Figure 27: Global Biomanufacturing Automation Market, \$Million, 2020-2031

Figure 28: Global Biomanufacturing Automation Market, by Upstream and Downstream Automation, \$Million, 2020-2031

Figure 29: Global Biomanufacturing Automation Market, by Class, \$Million, 2020-2031

Figure 30: Global Biomanufacturing Automation Market, by Class, \$Million, 2020-2031

Figure 31: Workflow of Upstream and Downstream Biomanufacturing

Figure 32: Global Next-Generation Biomanufacturing Market (by Workflow and Products), \$Million, 2020 and 2031

Figure 33: Global Next-Generation Biomanufacturing Market Segmentation (by Product)

Figure 34: Global Next-Generation Biomanufacturing Market (by Upstream Biomanufacturing), \$Million, 2020-2031

Figure 35: Global Next-Generation Biomanufacturing Market for Continuous Upstream Biomanufacturing Products, \$Million, 2020 and 2031

Figure 36: Global Next-Generation Biomanufacturing Market for Bioreactors/Fermenters, \$Million, 2020-2031

Figure 37: Global Next-Generation Biomanufacturing Market for Bags and Containers, \$Million, 2020-2031

Figure 38: Global Next-Generation Biomanufacturing Market for Cell Culture Products, \$Million, 2020-2031

Figure 39: Global Next-Generation Biomanufacturing Market for Filtration Systems, \$Million, 2020-2031

Figure 40: Global Next-Generation Biomanufacturing Market for Mixing Systems, \$Million, 2020-2031

Figure 41: Global Next-Generation Biomanufacturing Market for Sterilizers, \$Million, 2020-2031

Figure 42: Global Next-Generation Biomanufacturing Market for Biosafety Cabinets, \$Million, 2020-2031

Figure 43: Global Next-Generation Biomanufacturing Market for Incubators, \$Million, 2020-2031

Figure 44: Global Next-Generation Biomanufacturing Market for Other Instruments and Accessories, \$Million, 2020-2031

Figure 45: Global Next-Generation Biomanufacturing Market for Single-Use Upstream Biomanufacturing Products, \$Million, 2020 and 2031

Figure 46: Global Next-Generation Biomanufacturing Market for Single-Use Bioreactors/Fermenters, \$Million, 2020-2031

Figure 47: Global Next-Generation Biomanufacturing Market for Single-Use Bags and Containers, \$Million, 2020-2031

Figure 48: Global Next-Generation Biomanufacturing Market for Single-Use Tubing and Connectors, \$Million, 2020-2031

Figure 49: Global Next-Generation Biomanufacturing Market for Single-Use Mixing Systems, \$Million, 2020-2031

Figure 50: Global Next-Generation Biomanufacturing Market for Single-Use Sensors and Probes, \$Million, 2020-2031

Figure 51: Global Next-Generation Biomanufacturing Market (by Downstream Biomanufacturing), \$Million, 2020-2031

Figure 52: Global Next-Generation Biomanufacturing Market for Downstream Biomanufacturing Products, \$Million, 2020 and 2031

Figure 53: Global Next-Generation Biomanufacturing Market for Chromatography Systems, \$Million, 2020-2031

Figure 54: Global Next-Generation Biomanufacturing Market for Filtration Systems, \$Million, 2020-2031

Figure 55: Global Next-Generation Biomanufacturing Market for Membrane Adsorbers, \$Million, 2020-2031

Figure 56: Global Next-Generation Biomanufacturing Market for Instruments and Accessories, \$Million, 2020-2031

Figure 57: Global Next-Generation Biomanufacturing Market for Single-Use Equipment and Accessories, \$Million, 2020-2031

Figure 58: Global Next-Generation Biomanufacturing Market Segmentation (by Medical Application)

Figure 59: Global Next-Generation Biomanufacturing Market (by Medical Application), \$Million, 2020 and 2031

Figure 60: Global Next-Generation Biomanufacturing Market for Monoclonal Antibodies, \$Million, 2020-2031

Figure 61: Global Next-Generation Biomanufacturing Market for Vaccines, \$Million, 2020-2031

Figure 62: Global Next-Generation Biomanufacturing Market for Recombinant Proteins, \$Million, 2020-2031

Figure 63: Global Next-Generation Biomanufacturing Market for Hormones, \$Million, 2020-2031

Figure 64: Global Next-Generation Biomanufacturing Market for Other Applications, \$Million, 2020-2031

Figure 65: Global Next-Generation Biomanufacturing Market (by End User)

Figure 66: Global Next-Generation Biomanufacturing Market for Commercial Stage End Users, \$Million, 2020 and 2031

Figure 67: Global Next-Generation Biomanufacturing Market for Preclinical and Development Stage End Users, \$Million, 2020 and 2031

Figure 68: Global Next-Generation Biomanufacturing Market for Biopharmaceutical Companies, \$Million, 2020-2031

Figure 69: Global Next-Generation Biomanufacturing Market for CMOs/CDMOs, \$Million, 2020-2031

Figure 70: Global Next-Generation Biomanufacturing Market for Research Institutions, \$Million, 2020-2031

Figure 71: Global Next-Generation Biomanufacturing Market, \$Million, 2020-2031

Figure 72: Global Next-Generation Biomanufacturing Market, \$Million, 2020 and 2031

Figure 73: North America Next-Generation Biomanufacturing Market, \$Million, 2020-2031

Figure 74: North America: Market Dynamics

Figure 75: North America Next-Generation Biomanufacturing Market (by Country), \$Million, 2020 and 2031

Figure 76: U.S. Next-Generation Biomanufacturing Market, \$Million, 2020-2031

Figure 77: Canada Next-Generation Biomanufacturing Market, \$Million, 2020-2031

Figure 78: Europe Next-Generation Biomanufacturing Market, \$Million, 2020-2031

Figure 79: Europe: Market Dynamics

Figure 80: Europe: Next-Generation Biomanufacturing Market (by Country), \$Million, 2020 and 2031

Figure 81: Germany Next-Generation Biomanufacturing Market, \$Million, 2020-2031

Figure 82: France Next-Generation Biomanufacturing Market, \$Million, 2020-2031

Figure 83: U.K. Next-Generation Biomanufacturing Market, \$Million, 2020-2031

Figure 84: Italy: Next-Generation Biomanufacturing Market, \$Million, 2020-2031

Figure 85: Spain: Next-Generation Biomanufacturing Market, \$Million, 2020-2031

Figure 86: Ireland Next-Generation Biomanufacturing Market, \$Million, 2020-2031

Figure 87: Switzerland Next-Generation Biomanufacturing Market, \$Million, 2020-2031

Figure 88: Russia Next-Generation Biomanufacturing Market, \$Million, 2020-2031

Figure 89: Rest-of-Europe Next-Generation Biomanufacturing Market, \$Million, 2020-2031

Figure 90: Asia-Pacific Next-Generation Biomanufacturing Market, \$Million, 2020-2031

Figure 91: Asia Pacific: Market Dynamics

Figure 92: Asia-Pacific Next-Generation Biomanufacturing Market (by Country), \$Million, \$Million, 2020 and 2031

Figure 93: China Next-Generation Biomanufacturing Market, \$Million, 2020-2031

Figure 94: Japan Next-Generation Biomanufacturing Market, \$Million, 2020-2031

Figure 95: India Next-Generation Biomanufacturing Market, \$Million, 2020-2031

Figure 96: South Korea Next-Generation Biomanufacturing Market, \$Million, 2020-2031

Figure 97: Australia Next-Generation Biomanufacturing Market, \$Million, 2020-2031

Figure 98: Singapore Next-Generation Biomanufacturing Market, \$Million, 2020-2031

Figure 99: Rest-of-Asia-Pacific Next-Generation Biomanufacturing Market, \$Million, 2020-2031

Figure 100: Latin America Next-Generation Biomanufacturing Market, \$Million, 2020-2031

Figure 101: Latin America Next-Generation Biomanufacturing Market (by Country), \$Million, 2020-2031

Figure 102: Rest-of-the-World Next-Generation Biomanufacturing Market, \$Million, 2020-2031

Figure 103: Shares of Key Company Profiles

Figure 104: Applikon Biotechnology BV: Product Portfolio for Global Next-Generation Biomanufacturing Market

Figure 105: Applikon Biotechnology BV: SWOT Analysis

Figure 106: bbi-biotech GmbH: Product Portfolio for Global Next-Generation Biomanufacturing Market

Figure 107: biotech GmbH: SWOT Analysis

Figure 108: Danaher Corporation: Product Portfolio for Global Next-Generation Biomanufacturing Market

Figure 109: Danaher Corporation: Overall Financials, \$Million, 2018-2020

Figure 110: Danaher Corporation: Revenue (by Business Segment), \$Million, 2018-2020

Figure 111: Danaher Corporation: Revenue (by Region), \$Million, 2017-2019

Figure 112: Danaher Corporation: R&D Expenditure, \$Million, 2017-2019

Figure 113: Danaher Corporation: SWOT Analysis

Figure 114: Eppendorf AG: Product Portfolio for Global Next-Generation Biomanufacturing Market

Figure 115: Eppendorf AG: Overall Financials, \$Million, \$Million, 2018-2020

Figure 116: Eppendorf AG: Revenue (by Segment), \$Million, 2018-2020

Figure 117: Eppendorf AG: Revenue (by Region), \$Million, 2018-2020

Figure 118: Eppendorf AG: R&D Expenditure, \$Million, 2018-2020

Figure 119: Eppendorf AG: SWOT Analysis

Figure 120: Esco Group of Companies: Product Portfolio for Global Next-Generation Biomanufacturing Market

Figure 121: Esco Group of Companies: SWOT Analysis

Figure 122: GEA Group Aktiengesellschaft: Product Portfolio for Global Next-Generation Biomanufacturing Market

Figure 123: GEA Group Aktiengesellschaft: Overall Financials, \$Million, 2018-2020

Figure 124: GEA Group Aktiengesellschaft: Revenue (by Business Segment), \$Million, 2018-2020

Figure 125: GEA Group Aktiengesellschaft: Revenue (by Region), \$Million, 2018-2020

Figure 126: GEA Group Aktiengesellschaft: R&D Expenditure, \$Million, 2018-2020

Figure 127: GEA Group Aktiengesellschaft: SWOT Analysis

Figure 128: Meissner Filtration Products, Inc.: Product Portfolio for Global Next-Generation Biomanufacturing Market

Figure 129: Meissner Filtration Products, Inc.: SWOT Analysis

Figure 130: Merck KGaA: Product Portfolio for Global Next-Generation Biomanufacturing Market

Figure 131: Merck KGaA: Overall Financials, \$Million, 2018-2020

Figure 132: Merck KGaA: Revenue (by Segment), \$Million, 2018-2020

Figure 133: Merck KGaA: Revenue (by Region), \$Million, 2018-2020

Figure 134: Merck KGaA: R&D Expenditure, \$Million, 2018-2020

Figure 135: Merck KGaA: SWOT Analysis

Figure 136: PBS Biotech, Inc.: Product Portfolio for Global Next-Generation Biomanufacturing Market

Figure 137: PBS Biotech, Inc.: SWOT Analysis

Figure 138: Pierre Guérin: Product Portfolio for Global Next-Generation Biomanufacturing Market

Figure 139: Pierre Guérin: SWOT Analysis

Figure 140: Sartorius AG: Product Portfolio for Global Next-Generation Biomanufacturing Market

Figure 141: Sartorius AG: Overall Financials, \$Million, 2018-2020

Figure 142: Sartorius AG: Revenue (by Business Segment), \$Million, 2018-2020

Figure 143: Sartorius AG: Revenue (by Region), \$Million, 2018-2020

Figure 144: Sartorius AG: R&D Expenditure, \$Million, 2018-2020

Figure 145: Sartorius AG: SWOT Analysis

Figure 146: Shanghai Bailun Biotechnology Co. Ltd.: Product Portfolio for Global Next-Generation Biomanufacturing Market

Figure 147: Shanghai Bailun Biotechnology Co. Ltd.: SWOT Analysis

Figure 148: Solaris Biotechnology Srl.: Product Portfolio for Global Next-Generation Biomanufacturing Market

Figure 149: Solaris Biotechnology Srl.: SWOT Analysis

Figure 150: Thermo Fisher Scientific Inc.: Product Portfolio for Global Next-Generation Biomanufacturing Market

Figure 151: Thermo Fisher Scientific Inc.: Overall Financials, \$Million, 2018-2020

Figure 152: Thermo Fisher Scientific Inc.: Revenue (by Business Segment), \$Million, 2018-2020

Figure 153: Thermo Fisher Scientific Inc.: Revenue (by Region), \$Million, 2018-2020

Figure 154: Thermo Fisher Scientific Inc.: R&D Expenditure, \$Million, 2018-2020

Figure 155: Thermo Fisher Scientific Inc.: SWOT Analysis

Figure 156: ZETA GmbH: Product Portfolio for Global Next-Generation
Biomanufacturing Market

Figure 157: ZETA GmbH: SWOT Analysis

List Of Tables

LIST OF TABLES

Table 1: Global Regulatory Scenario: Next-Generation Biomanufacturing Market

Table 2: Impact Analysis of Market Drivers and Restraints

Table 3: Benefits of Automation in Biomanufacturing

Table 4: Effect of Automation in Saving Labor, Time, and Cost

Table 5: Agreements, Partnerships, and Collaborations by Key Companies in the Field of Automation

Table 6: New Offerings and Business Expansion by Key Companies in the Field of Automation

Table 7: Acquisitions by Key Companies in the Field of Automation

Table 8: Regulatory Consideration in Biomanufacturing Automation

Table 9: Examples of Biomanufacturers in the U.S. and their Product Offerings

I would like to order

Product name: Next-Generation Biomanufacturing Market - A Global Analysis: Focus on Single-Use and Digital Platform and Segment Analysis for Workflow, Products, Medical Application, End User, Country Data (16 Countries), and Competitive Landscape - Analysis and Forecast, 2020-2031

Product link: <https://marketpublishers.com/r/N5EC6A4908A3EN.html>

Price: US\$ 5,250.00 (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/N5EC6A4908A3EN.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