

Biotechnology Services Market Outlook 2025-2034: Market Share, and Growth Analysis By Service (Prevention And Disease Control, Public Engagement Activities, Health Education And Research, Food Biotechnology Services, Donor Recruitment, Tissue Collection, Cell Processing And Isolation, Research And Development), By Industry, By Area Of Application

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Abstracts

The Biotechnology Services Market is valued at USD 117.4 billion in 2025 and is projected to grow at a CAGR of 5.5% to reach USD 190.6 billion by 2034. The Biotechnology Services Market has witnessed substantial growth, driven by increasing investment in biopharmaceutical research and the rising complexity of biologic development. Biotechnology service providers offer essential support functions, including contract research, development, manufacturing, and analytical testing, to biotech and pharmaceutical companies. As biopharma pipelines expand and the need for specialized expertise grows, the reliance on external biotechnology services has become critical for reducing time-to-market and ensuring regulatory compliance. Key growth drivers include advancements in gene therapy, personalized medicine, and cell and gene-based technologies, which demand highly specialized processes and cutting-edge analytical capabilities. Biopharmaceutical companies are increasingly outsourcing these services to focus on core competencies, leverage the expertise of established providers, and reduce operational costs. This trend has led to a surge in demand for contract development and manufacturing organizations (CDMOs), contract research organizations (CROs), and specialized analytical testing services. Challenges remain, including regulatory hurdles, data management complexities, and maintaining quality

standards across global operations. Nonetheless, continuous technological innovation, growing collaborations, and supportive government initiatives are expected to drive further market growth in the coming years.

Key Insights Biotechnology Services Market

1. Increasing reliance on CDMOs and CROs for end-to-end biopharmaceutical development. 2. Growing demand for analytical services to support advanced therapies, including gene and cell therapies. 3. Rising adoption of digital tools and artificial intelligence in biotechnology services. 4. Expanding focus on bioprocess optimization and continuous manufacturing technologies. 5. Enhanced regulatory guidance for outsourcing services and biosimilar development. 1. Expanding biopharmaceutical R&D pipelines and the complexity of biologic products. 2. Increasing investment in personalized medicine and targeted therapies. 3. Cost advantages and efficiency gains through outsourcing. 4. Technological advancements enabling more accurate and efficient bioprocesses. 1. Stringent regulatory requirements and compliance challenges. 2. Managing data integrity and security in outsourced services. 3. Maintaining quality control across multiple geographies and service providers. 4. Competition among service providers, driving the need for continuous innovation.

Biotechnology Services Market Segmentation

By Service

Prevention And Disease Control

Public Engagement Activities

Health Education And Research

Food Biotechnology Services

Donor Recruitment

Tissue Collection

Cell Processing And Isolation

Research And Development

By Industry

Clinical Research Organizations (CROS)

Contract Manufacturers Organizations (CMOS)

And Contract Research And Manufacturing Services (CRAMS)

By Area Of Application

Pharmaceutical

Biotechnology

Academic

Clinical Trial

Healthcare Sectors

Others

Key Companies Analysed

Parexel International Corporation

Thermo Fisher Scientific

Laboratory Corporation of America Holdings

IQVIA

ICON plc

Charles River Laboratories

Syneos Health

Sartorius AG

Precision for Medicine Inc.

Novartis

Eppendorf Asia Pacific Sdn. Bhd.

Emmessar Biotech & Nutrition Ltd

Vcanbio Cell & Gene Engineering Corp.

Ltd

Ke Rui Gene

Absea Biotechnology Ltd

CStone Pharm-B

Daiichi Sankyo

bitBiome

Taisho Pharmaceutical

AGC Biologics

Hamamatsu Pharma Research

Artios Pharma

AstraZeneca

Bio Products Laboratory (BPL)

Cambridge Bioscience

Shire Pharmaceuticals Ltd

BTG Ltd

eXmoor Pharma

4D Pharma PLC

Touchlight Genetics

Ophidia Medical Technologies

ATAI Life Sciences

Phaseform

Evotec

Sanity Group

Primmbiotech

Vaccitech

Biolat

Pharmidea

Asla-Biotech

Genera

Anima Lab

Silvanols

OU TBD-Biodiscovery

Qvalitas Arstikeskus AS

Concise Systems OU

GPE Globalpharma OU

Belarusian National Biotechnology Corporation

Innothera

Olainfarm

Pharmaidea

Amgen Inc.

Gilead Sciences

Celgene Corporation

Biogen Inc.

Vertex Pharmaceuticals

Illumina

Inc.

Regeneron Pharmaceuticals Inc.

Alexion Pharmaceuticals

Hemostemix Inc.

Resverlogix Corporation

Zenith Epigenetics Corp.

Bayer

AMEGA Biotech

Pierre Fabre

Pfizer

Quantificare

Apsen Farmaceutica

BioMarin Pharmaceutical

DK Diagnostics

Biosonda Biotechnology

Laboratorios Legrand

Biomerics

Julphar Pharmaceuticals

Medpharma

Pharmax

Neopharma

City Breeze Technical Services

CinnaGen

BioSun Pharmed

AryoGen Pharmed

4Clinics

54gene

Amoun

Aspen Pharmacare

BBI Solutions

BioTech Africa

ClinArt MENA

Crux Pharmaceuticals

Genesis Pharmaceuticals

Massive Genomics

Mayne Pharma

Sanofi Genzyme

Teleflex Medical

The Micron Group

Biotechnology Services Market Analytics

The report employs rigorous tools, including Porter's Five Forces, value chain mapping, and scenario-based modeling, to assess supply–demand dynamics. Cross-sector influences from parent, derived, and substitute markets are evaluated to identify risks and opportunities. Trade and pricing analytics provide an up-to-date view of international flows, including leading exporters, importers, and regional price trends.

Macroeconomic indicators, policy frameworks such as carbon pricing and energy security strategies, and evolving consumer behavior are considered in forecasting scenarios. Recent deal flows, partnerships, and technology innovations are

incorporated to assess their impact on future market performance.

Biotechnology Services Market Competitive Intelligence

The competitive landscape is mapped through OG Analysis' proprietary frameworks, profiling leading companies with details on business models, product portfolios, financial performance, and strategic initiatives. Key developments such as mergers & acquisitions, technology collaborations, investment inflows, and regional expansions are analyzed for their competitive impact. The report also identifies emerging players and innovative startups contributing to market disruption.

Regional insights highlight the most promising investment destinations, regulatory landscapes, and evolving partnerships across energy and industrial corridors.

Countries Covered

North America — Biotechnology Services market data and outlook to 2034

United States

Canada

Mexico

Europe — Biotechnology Services market data and outlook to 2034

Germany

United Kingdom

France

Italy

Spain

BeNeLux

Russia

Sweden

Asia-Pacific — Biotechnology Services market data and outlook to 2034

China

Japan

India

South Korea

Australia

Indonesia

Malaysia

Vietnam

Middle East and Africa — Biotechnology Services market data and outlook to 2034

Saudi Arabia

South Africa

Iran

UAE

Egypt

South and Central America — Biotechnology Services market data and outlook to 2034

Brazil

Argentina

Chile

Peru

** We can include data and analysis of additional countries on demand.*

Research Methodology

This study combines primary inputs from industry experts across the Biotechnology Services value chain with secondary data from associations, government publications, trade databases, and company disclosures. Proprietary modeling techniques, including data triangulation, statistical correlation, and scenario planning, are applied to deliver reliable market sizing and forecasting.

Key Questions Addressed

What is the current and forecast market size of the Biotechnology Services industry at global, regional, and country levels?

Which types, applications, and technologies present the highest growth potential?

How are supply chains adapting to geopolitical and economic shocks?

What role do policy frameworks, trade flows, and sustainability targets play in shaping demand?

Who are the leading players, and how are their strategies evolving in the face of global uncertainty?

Which regional “hotspots” and customer segments will outpace the market, and what go-to-market and partnership models best support entry and expansion?

Where are the most investable opportunities—across technology roadmaps, sustainability-linked innovation, and M&A—and what is the best segment to invest over the next 3–5 years?

Your Key Takeaways from the Biotechnology Services Market Report

Global Biotechnology Services market size and growth projections (CAGR), 2024-2034

Impact of Russia-Ukraine, Israel-Palestine, and Hamas conflicts on Biotechnology Services trade, costs, and supply chains

Biotechnology Services market size, share, and outlook across 5 regions and 27 countries, 2023-2034

Biotechnology Services market size, CAGR, and market share of key products, applications, and end-user verticals, 2023-2034

Short- and long-term Biotechnology Services market trends, drivers, restraints, and opportunities

Porter's Five Forces analysis, technological developments, and Biotechnology Services supply chain analysis

Biotechnology Services trade analysis, Biotechnology Services market price analysis, and Biotechnology Services supply/demand dynamics

Profiles of 5 leading companies—overview, key strategies, financials, and products

Latest Biotechnology Services market news and developments

Additional Support

With the purchase of this report, you will receive

An updated PDF report and an MS Excel data workbook containing all market tables and figures for easy analysis.

7-day post-sale analyst support for clarifications and in-scope supplementary

data, ensuring the deliverable aligns precisely with your requirements.

Complimentary report update to incorporate the latest available data and the impact of recent market developments.

** The updated report will be delivered within 3 working days*

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