

Biologics Contract Research Organizations Market Size, Share & Trends Analysis Report By Type (Drug Discovery, Pre-clinical, And Clinical), By Product, By Service, By Therapeutic Area, By End Use, By Region, And Segment Forecasts, 2025 - 2033

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Abstracts

The global biologics contract research organizations market size was estimated at USD 13.66 billion in 2024 and is projected to reach USD 32.30 billion by 2033, growing at a CAGR of 10.17% from 2025 to 2033. The market growth is driven by rising demand for biologics, increasing outsourcing trends among pharmaceutical companies, growing requirements for personalized medicine, and cell & gene therapies.

Other factors contributing to market growth include rising technological advancements in clinical trial management and stringent regulatory requirements that underscore the need for specialized CRO expertise among biopharmaceutical companies.

In the global biologics contract research organizations (CRO) market, the CRO are experiencing growing demand for biologics, including monoclonal antibodies, vaccines, and cell & gene therapies. Most of these complex molecules require specialized research, clinical trials, and regulatory expertise that many pharmaceutical companies lack in-house. Thus, these factors have led to a growing need for CRO services, as they offer biologics-focused trial design, bioanalytical testing, and manufacturing support, further accelerating development timelines, reducing costs, and ensuring high-quality data, making them indispensable partners for sponsors navigating the expanding biologics pipeline. This trend is emerging in the therapies, where CROs' specialized knowledge and infrastructure are critical for successful clinical outcomes.

Moreover, other factors contributing to market growth include rising technological

advancements in clinical trial management, which are transforming the operations within biologics CROs. Integrating AI, machine learning, and data analytics further enables faster patient recruitment, predictive modeling, and real-time monitoring of clinical trial data. Furthermore, digital platforms, electronic data capture (EDC), and decentralized trial solutions further enhance efficiency, transparency, and compliance, which are expected to drive market growth. Automation and advanced bioinformatics further streamline data handling for complex biologics studies. These technologies support reducing errors, improving decision-making, and accelerating trial timelines. Thus, as biological research becomes increasingly data-intensive, most CROs opt for technology-driven solutions to manage complexity, optimize trial outcomes, and support sponsors in bringing innovative therapies to market faster.

Global Biologics Contract Research Organizations Market Report Segmentation

This report forecasts revenue growth at global, regional, and country levels and provides an analysis of the latest industry trends in each of the sub-segments from 2021 to 2033. For this study, Grand View Research has segmented the global biologics contract research organizations market report based on type, product, service, therapeutic area, end use, and region:

Type Outlook (Revenue, USD Million, 2021 - 2033)

Drug Discovery

Target Validation

Lead Identification

Lead Optimization

Pre-Clinical

Clinical

Phase I Trial Services

Phase II Trial Services

Phase III Trial Services

Phase IV Trial Services

Product Outlook (Revenue, USD Million, 2021 - 2033)

Monoclonal Antibodies (mAbs)

Antibody-Drug Conjugates (ADCs)

Bispecific/Multispecific Antibodies

Recombinant Proteins & Enzymes

Vaccines

Cell & Gene Therapies

Nucleic Acid-Based Therapeutics

Others

Service Outlook (Revenue, USD Million, 2021 - 2033)

Project Management/Clinical Supply Management

Data Management

Regulatory/Medical Affairs

Medical Writing

Clinical Monitoring

Quality Management/ Assurance

Bio-Statistics

Investigator Payments

Laboratory

 Sterility Testing

 Container/Closure Testing

 Extractables and Leachable Testing

 Environmental Monitoring (Including Microbiology Testing)

 Disinfectant Efficacy Studies

 Others

Patient And Site Recruitment

Technology

Others

Therapeutic Area Outlook (Revenue, USD Million, 2021 - 2033)

Oncology

CNS Disorders

Infectious Diseases

Immunological Disorders

Cardiovascular Diseases

Respiratory Diseases

Diabetes

Ophthalmology

Pain Management

Others

End Use Outlook (Revenue, USD Million, 2021 - 2033)

Large Biopharmaceutical Companies

Small & Mid-Sized Biopharmaceutical Companies

Others

Regional Outlook (Revenue, USD Million, 2021 - 2033)

North America

U.S.

Canada

Mexico

Europe

UK

Germany

France

Italy

Spain

Denmark

Sweden

Norway

Asia Pacific

Japan

China

India

Australia

Thailand

South Korea

Latin America

Brazil

Argentina

Middle East & Africa

South Africa

UAE

Saudi Arabia

Kuwait

Qatar

Oman

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