

# North America Microbiology CRO Services Market Report (2021-2031) by Scope, Segmentation, Dynamics, and Competitive Analysis

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## Abstracts

The North America microbiology Contract Research Organization (CRO) services market is projected to grow significantly, reaching approximately US\$ 4,952.88 million by 2031, up from US\$ 2,488.24 million in 2023. This growth represents a compound annual growth rate (CAGR) of 9.0% from 2023 to 2031.

### Executive Summary and Market Analysis

The microbiology CRO services market in North America is experiencing steady growth, fueled by advancements in biotechnology and pharmaceutical research, as well as an increasing trend towards outsourcing specialized laboratory functions. Microbiology CROs play a vital role by offering essential services such as antimicrobial efficacy testing, sterility testing, environmental monitoring, and microbiome analysis, which are crucial for drug development, medical device testing, and biopharmaceutical production. The region benefits from a robust regulatory framework, the presence of major pharmaceutical companies, and a strong emphasis on innovation in life sciences, creating a conducive environment for CRO growth. Furthermore, the rising focus on biologics and vaccines, along with the increasing incidence of infectious diseases, has amplified the demand for dependable microbiological testing and validation services. Collaborations between pharmaceutical firms and CROs are enhancing research efficiency, speeding up time-to-market, and ensuring compliance with stringent quality standards set by regulatory bodies like the FDA and Health Canada, thereby solidifying North America's leadership in outsourced microbiology research.

### Market Segmentation Analysis

The North America microbiology CRO services market can be segmented based on application, service type, microorganisms, and end users:

- Application: The market is divided into clinical, medical device, and other applications, with the clinical segment holding the largest market share in 2023.
- Service Type: This market is categorized into assay development, custom viral stock production, microbial testing, and others, where microbial testing accounted for the largest share in 2023.
- Microorganisms: The segmentation includes bacteria, fungi, viruses, and parasites, with bacteria being the dominant category in 2023.
- End Users: The market is segmented into biotech and pharmaceutical companies, medical device companies, and others, with biotech and pharmaceutical companies holding the largest share in 2023.

## **Market Outlook**

CROs specializing in microbial testing have increasingly formed partnerships with various stakeholders to broaden their service offerings. Notably, partnership activities surged in 2022 and 2023, focusing on acquisitions, manufacturing agreements, and product development, driven by the rising demand for biopharmaceuticals. For instance, in August 2023, Frontage Laboratories, Inc. and its subsidiary Frontage Canada, Inc. acquired Nucro-Technics Inc., a CRO that provides a range of services. Similarly, in October 2022, NAMSA, a prominent MedTech CRO, acquired Perfectus Biomed Group, a UK-based laboratory specializing in customized microbiological services, thereby expanding NAMSA's reach across multiple regions.

## **Country Insights**

The North America microbiology CRO services market includes the US, Canada, and Mexico, with the US holding the largest market share in 2023. The US is recognized as the largest microbiology CRO market globally and is expected to maintain this position throughout the forecast period. The growth in the US market is attributed to the adoption of advanced technologies by CROs, an increasing number of clinical trials, and heightened investment in research and development by pharmaceutical and biotechnology companies. Strategic initiatives by market players are also pivotal in driving growth. For example, in February 2024, ICON plc acquired Clinical Research Management, Inc. (ClinicalRM), which provides comprehensive research solutions to various US government agencies, enhancing their capabilities in infectious diseases and vaccine development.

During the forecast period, the US microbiology CRO market is anticipated to grow, particularly due to the expansion of microbial testing services by CROs. For instance, Microbiologics expanded its virology services in April 2021 to support drug and vaccine researchers, investing in a new biosafety Level 3 (BSL-3) facility to enhance its capabilities in testing for highly infectious pathogens, including COVID-19.

## **Company Profiles**

Key players in the microbiology CRO services market include Microbiologics, Melbec Microbiology, Emery Pharma, TheraIndx Lifesciences Pvt. Ltd., AVERIN BIOTECH, Statens Serum Institut, ImQuest BioSciences, PACIFIC BIOLABS, Innovotech Inc., and BluTest Laboratories Ltd. These companies are employing various strategies such as expansion, product innovation, and mergers and acquisitions to enhance their offerings and increase market share.

## **Reason to buy**

Save and reduce time carrying out entry-level research by identifying the growth, size, leading players, and segments in the North America microbiology CRO services market.

Highlights key business priorities in order to assist companies to realign their business strategies.

The key findings and recommendations highlight crucial progressive industry trends in North America microbiology CRO services market, thereby allowing players across the value chain to develop effective long-term strategies.

Develop/modify business expansion plans by using substantial growth offering developed and emerging markets.

Scrutinize in-depth North America market trends and outlook coupled with the factors driving the microbiology CRO services market, as well as those hindering it.

Enhance the decision-making process by understanding the strategies that underpin security interest with respect to client products, segmentation, pricing, and distribution.

## Companies

Microbiologics

Melbec Microbiology

Emery Pharma

TheraIndx Lifesciences Pvt. Ltd.

AVERIN BIOTECH

Statens Serum Institut

ImQuest BioSciences

PACIFIC BIOLABS

Innovotech Inc.

BluTest Laboratories Ltd

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