

# **Legionella Testing Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Type (Water testing, IVD testing), By End Use (Microbial culture, Direct fluorescent antibody (DFA) stain, PCR, Others), By Region & Competition, 2020-2030F**

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## **Abstracts**

Global Legionella Testing Market was valued at USD 284.25 million in 2024 and is expected to reach USD 487.15 million by 2030 with a CAGR of 9.39% during the forecast period. The Global Legionella Testing Market refers to the market for diagnostic tests and services used to detect and monitor Legionella bacteria, particularly the Legionella pneumophila species, responsible for causing Legionnaires' disease. Legionnaires' disease is a severe form of pneumonia that can be contracted through inhalation of contaminated water droplets, typically from sources like cooling towers, hot tubs, and plumbing systems. According to the Centers for Disease Control and Prevention, approximately 10,000 cases of Legionnaires' disease were reported in 2018.

Legionella bacteria thrive in hot water conditions, making industries that rely on water storage, such as schools, restaurants, hospitals, and large plumbing systems, particularly susceptible to Legionella contamination. As a result, there is a growing demand across these industries for accurate and timely diagnosis of Legionella and related infections. In September 2022, an outbreak of severe pneumonia in San Miguel de Tucumán, Argentina, resulted in four deaths and 11 cases of severe illness. This outbreak was later linked to Legionella, specifically the bacterium *L. pneumophila*. Additionally, in June 2022, the New York Attorney General reached an agreement with Verizon to ensure the company takes swift and comprehensive action to prevent the

spread of Legionnaires' disease throughout New York State.

## Key Market Drivers

### Advances in Testing Technologies

The Global Legionella Testing Market is experiencing substantial growth, and one of the key drivers behind this expansion is the continuous advancement of testing technologies. Legionella, a bacterium responsible for Legionnaires' disease, poses a significant public health risk. The need for rapid, sensitive, and accurate testing methods has driven innovation in the field.

Traditional methods of detecting Legionella bacteria, such as culture-based techniques, can be time-consuming and may not always yield accurate results. In contrast, modern molecular techniques, particularly Polymerase Chain Reaction (PCR), have revolutionized Legionella testing. PCR allows for the rapid and precise detection of Legionella DNA in water and environmental samples, significantly reducing the time required for diagnosis. The ability to provide quicker and more accurate results is a key factor driving the demand for Legionella testing services.

The sensitivity of testing methods is crucial when dealing with potentially harmful microorganisms like Legionella. Advances in testing technologies have led to the development of highly sensitive assays. These assays can detect even trace amounts of Legionella bacteria in various samples, including water systems, cooling towers, and air. Enhanced sensitivity ensures that potential sources of contamination are not overlooked, thereby improving the overall safety of water systems.

Automation in testing technologies has not only sped up the testing process but has also minimized the potential for human error. Automated platforms reduce the manual handling of samples, leading to greater consistency and reliability in test results. This feature is especially important in Legionella testing, where accuracy is critical for public health and safety.

## Key Market Challenges

### Lack of Standardized Testing Protocols

One of the primary challenges in the Legionella testing industry is the absence of standardized testing protocols. Different laboratories and testing facilities may use

varying methods and equipment, leading to potential inconsistencies in results. Standardization is crucial to ensure that test results are accurate and can be reliably interpreted.

## Key Market Trends

### Rapid Diagnostic Tests

Rapid diagnostic tests are set to revolutionize the Legionella Testing Market. These tests offer quicker results, typically within hours, as opposed to the days required by traditional methods. Their speed and accuracy make them invaluable for timely decision-making in Legionella risk management. As demand for fast and reliable testing increases, rapid diagnostic tests will likely gain significant traction.

## Key Market Players

Abbott Laboratories

Beckman Coulter, Inc.

Bio-Rad Laboratories Inc.

BIOM?RIEUX SA

Eiken Chemical Co., Ltd

Hologic Inc.

Pro-Lab PLC

QIAGEN N.V.

F. Hoffmann-La Roche Ltd

Takara Bio Inc.

Thermo Fisher Scientific Inc.

## Report Scope:

In this report, the Global Legionella Testing Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

### Legionella Testing Market, By Type:

Water testing

IVD testing

### Legionella Testing Market, By End Use:

Microbial culture

Direct fluorescent antibody (DFA) stain

PCR

Others

### Legionella Testing Market, By Region:

North America

United States

Canada

Mexico

Europe

Germany

United Kingdom

France

Italy

Spain

Asia-Pacific

China

Japan

India

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Kuwait

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global

*Legionella Testing Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Type...*

Legionella Testing Market.

Available Customizations:

Global Legionella Testing market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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