

# **Laboratory Proficiency Testing Market Size, Trends, Analysis, and Outlook By Industry (Clinical Diagnostics, Microbiology, Food & Animal Feed, Commercial Beverages, Environmental, Pharmaceuticals, Water, Nutraceuticals, Biologics, Cannabis/Opioids, Dietary Supplements, Cosmetics), By Technology (Cell Culture, PCR, Immunoassays, Chromatography, Spectrophotometry, Others), by Region, Country, Segment, and Companies, 2024-2030**

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## **Abstracts**

The global Laboratory Proficiency Testing market size is poised to register 6.96% growth from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Laboratory Proficiency Testing market across By Industry (Clinical Diagnostics, Microbiology, Food & Animal Feed, Commercial Beverages, Environmental, Pharmaceuticals, Water, Nutraceuticals, Biologics, Cannabis/Opioids, Dietary Supplements, Cosmetics), By Technology (Cell Culture, PCR, Immunoassays, Chromatography, Spectrophotometry, Others).

The Laboratory Proficiency Testing market is witnessing steady growth driven by the increasing emphasis on quality assurance and accreditation, rising demand for reliable analytical testing services, and stringent regulatory requirements for laboratory proficiency assessment. Laboratory proficiency testing, also known as external quality assessment (EQA) or inter-laboratory comparison, involves the systematic evaluation of laboratory performance by an external provider through the distribution of blinded samples for analysis. Factors such as the growing globalization of testing services, the expanding scope of regulatory oversight, and the increasing complexity of analytical

methodologies are driving the demand for laboratory proficiency testing programs. Additionally, advancements in proficiency testing logistics, sample preparation, and data management, along with the development of digital proficiency testing platforms and remote participation options, are enhancing the efficiency and effectiveness of proficiency testing schemes. Moreover, the increasing adoption of harmonized standards and reference materials, the growing emphasis on continuous quality improvement and competency assessment, and the expanding use of proficiency testing as a benchmarking tool for laboratory accreditation and certification are driving market growth. Furthermore, efforts to expand proficiency testing offerings across diverse testing disciplines and industries, improve participant engagement and feedback mechanisms, and address emerging challenges related to sample stability, homogeneity, and traceability are expected to further accelerate market expansion in the foreseeable future.

### Laboratory Proficiency Testing Market Drivers, Trends, Opportunities, and Growth Opportunities

This comprehensive study discusses the latest trends and the most pressing challenges for industry players and investors. The Laboratory Proficiency Testing market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Laboratory Proficiency Testing survey report provides the market size outlook across types, applications, and other segments across the world and regions. It provides data-driven insights and actionable recommendations for companies in the Laboratory Proficiency Testing industry.

### Key market trends defining the global Laboratory Proficiency Testing demand in 2024 and Beyond

The industry continues to remain an attractive hub for opportunities for both domestic and global vendors. As the market evolves, factors such as emerging market dynamics, demand from end-user sectors, a growing patient base, changes in consumption patterns, and widening distribution channels continue to play a major role.

### Laboratory Proficiency Testing Market Segmentation- Industry Share, Market Size, and Outlook to 2030

The Laboratory Proficiency Testing industry comprises a wide range of segments and sub-segments. The rising demand for these product types and applications is supporting companies to increase their investment levels across niche segments.

Accordingly, leading companies plan to generate a large share of their future revenue growth from expansion into these niche segments. The report presents the market size outlook across segments to support Laboratory Proficiency Testing companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

Key strategies adopted by companies within the Laboratory Proficiency Testing industry

Leading Laboratory Proficiency Testing companies are boosting investments to capitalize on untapped potential and future possibilities across niche market segments and surging demand conditions in key regions. Further, companies are leveraging advanced technologies to unlock opportunities and achieve operational excellence. The report provides key strategies opted for by the top 10 Laboratory Proficiency Testing companies.

#### Laboratory Proficiency Testing Market Study- Strategic Analysis Review

The Laboratory Proficiency Testing market research report dives deep into the qualitative factors shaping the market, empowering you to make informed decisions-

**Industry Dynamics:** Porter's Five Forces analysis to understand bargaining power, competitive rivalry, and threats that impact long-term strategy formulation.

**Strategic Insights:** Provides valuable perspectives on key players and their approaches based on comprehensive strategy analysis.

**Internal Strengths and Weaknesses:** Develop targeted strategies to leverage strengths, address weaknesses, and capitalize on market opportunities.

**Future Possibilities:** Prepare for diverse outcomes with in-depth scenario analysis. Explore potential market disruptions, technology advancements, and economic changes.

#### Laboratory Proficiency Testing Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Laboratory Proficiency Testing industry report provides a detailed analysis and

outlook of revenue generated by companies from 2018 to 2023. Further, with actual data for 2023, the report forecasts the market size outlook from 2024 to 2030 in three case scenarios- low case, reference case, and high case scenarios.

### Laboratory Proficiency Testing Country Analysis and Revenue Outlook to 2030

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2030. In addition, region analysis across Asia Pacific, Europe, the Middle East, Africa, North America, and South America is included in the study. For each of the six regions, the market size outlook by segments is forecast for 2030.

### North America Laboratory Proficiency Testing Market Size Outlook- Companies plan for focused investments in a changing environment

The US continues to remain the market leader in North America, driven by a large consumer base, the presence of well-established providers, and a strong end-user industry demand. Leading companies focus on new product launches in the changing environment. The US economy is expected to grow in 2024 (around 2.2% growth in 2024), potentially driving demand for various Laboratory Proficiency Testing market segments. Similarly, Strong end-user demand is encouraging Canadian Laboratory Proficiency Testing companies to invest in niche segments. Further, as Mexico continues to strengthen its trade relations and invest in technological advancements, the Mexico Laboratory Proficiency Testing market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

### Europe Laboratory Proficiency Testing Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities

The German industry remains the major market for companies in the European Laboratory Proficiency Testing industry with consumers in Germany, France, the UK, Spain, Italy, and others anticipated to register a steady demand throughout the forecast period, driving the overall market prospects. In addition, the proactive approach of businesses in identifying and leveraging new growth prospects positions the European Laboratory Proficiency Testing market for an upward trajectory, fostering both domestic and international interest. Leading brands operating in the industry are emphasizing effective marketing strategies, innovative product offerings, and a keen understanding of consumer preferences.

Asia Pacific Laboratory Proficiency Testing Market Size Outlook- an attractive hub for opportunities for both local and global companies

The increasing prevalence of indications, robust healthcare expenditure, and increasing investments in healthcare infrastructure drive the demand for Laboratory Proficiency Testing in Asia Pacific. In particular, China, India, and South East Asian Laboratory Proficiency Testing markets present a compelling outlook for 2030, acting as a magnet for both domestic and multinational manufacturers seeking growth opportunities. Similarly, with a burgeoning population and a rising middle class, India offers a vast consumer market. Japanese and Korean companies are quickly aligning their strategies to navigate changes, explore new markets, and enhance their competitive edge. Our report utilizes in-depth interviews with industry experts and comprehensive data analysis to provide a comprehensive outlook of 6 major markets in the region.

Latin America Laboratory Proficiency Testing Market Size Outlook- Continued urbanization and rising income levels

Rising income levels contribute to greater purchasing power among consumers, spurring consumption and creating opportunities for market expansion. Continued urbanization and rising income levels are expected to sustainably drive consumption growth in the medium to long term.

Middle East and Africa Laboratory Proficiency Testing Market Size Outlook- continues its upward trajectory across segments

Robust demand from Middle Eastern countries including Saudi Arabia, the UAE, Qatar, Kuwait, and other GCC countries supports the overall Middle East Laboratory Proficiency Testing market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for Laboratory Proficiency Testing.

Laboratory Proficiency Testing Market Company Profiles

The global Laboratory Proficiency Testing market is characterized by intense competitive conditions with leading companies opting for aggressive marketing to gain market shares. The report presents business descriptions, SWOT analysis, growth strategies, and financial profiles. Leading companies included in the study are Absolute Standards Inc, AOAC International, ATCC, Bio-Rad Laboratories Inc, BIPEA, Fera Science Ltd, FLUXANA GmbH & Co. KG, LGC Ltd, Merck KGaA, Neogen Corp, NSI

Lab Solutions, QACS, Randox Laboratories Ltd, Trilogy Analytical Laboratories, Waters Corp, Weqas

## Recent Laboratory Proficiency Testing Market Developments

The global Laboratory Proficiency Testing market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

## Laboratory Proficiency Testing Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2030 (Forecast Period)

Currency: USD; (Upon request, can be provided in Euro, JPY, GBP, and other Local Currency)

## Qualitative Analysis

Pricing Analysis

Value Chain Analysis

SWOT Profile

Market Dynamics- Trends, Drivers, Challenges

Porter's Five Forces Analysis

Macroeconomic Impact Analysis

Case Scenarios- Low, Base, High

## Market Segmentation:

By Industry

## Clinical Diagnostics

- Clinical Chemistry
- Immunoassay/immunochemistry
- Hematology
- Molecular diagnostic
- Cytology
- Others

## Microbiology

- Pathogen Testing
- Sterility Testing
- Endotoxin & Pyrogen Testing
- Growth Promotion Testing
- Others

## Food & Animal Feed

- Meat & Meat Products
- Vegetables & Fruits
- Dairy Products
- Fish
- Eggs

-Fat/oil

-Others

Commercial Beverages

-Non-Alcoholic Beverages

-Alcoholic Beverages

Environmental

Pharmaceuticals

-Branded/Innovator Drugs

-Generic Drugs

-Over-THE -Counter Drugs

-Biosimilars

Water

Nutraceuticals

Biologics

-Monoclonal Antibodies

-Vaccines

-Blood

-Tissue

Cannabis/Opioids

-Potency Testing



-Terpene Profiling

-Residual Solvents

-Pesticide Screening

-Heavy Metal Testing

-Others

Dietary Supplements

Cosmetics

-Trace Elements

-Others

By Technology

Cell Culture

PCR

Immunoassays

Chromatography

Spectrophotometry

Others

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

## Companies

Absolute Standards Inc

AOAC International

ATCC

Bio-Rad Laboratories Inc

BIPEA

Fera Science Ltd

FLUXANA Gmbh & Co. KG

LGC Ltd

Merck KGaA

Neogen Corp

NSI Lab Solutions

QACS

Randox Laboratories Ltd

Trilogy Analytical Laboratories

Waters Corp

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- Others
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- Pathogen Testing
- Sterility Testing
- Endotoxin & Pyrogen Testing
- Growth Promotion Testing
- Others
- Food & Animal Feed
- Meat & Meat Products
- Vegetables & Fruits
- Dairy Products
- Fish
- Eggs
- Fat/oil
- Others
- Commercial Beverages
- Non-Alcoholic Beverages
- Alcoholic Beverages
- Environmental
- Pharmaceuticals
- Branded/Innovator Drugs
- Generic Drugs
- Over-THE -Counter Drugs
- Biosimilars
- Water
- Nutraceuticals
- Biologics
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- Fera Science Ltd
- FLUXANA Gmbh & Co. KG
- LGC Ltd
- Merck KGaA
- Neogen Corp
- NSI Lab Solutions



QACS

Randox Laboratories Ltd

Trilogy Analytical Laboratories

Waters Corp

Wegas

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