

Analytical Chemistry and Testing Services Market Forecasts to 2032 - Global Analysis By Service Type (Bioanalytical Testing, Method Development & Validation, Stability Testing, Microbial Testing, Physical/Chemical Characterization, Batch Release Testing and Material Quality Testing), Sample Type, End User and By Geography

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Abstracts

According to Statistics MRC, the Global Analytical Chemistry and Testing Services Market is accounted for \$526.0 million in 2025 and is expected to reach \$1105.90 million by 2032 growing at a CAGR of 11.2% during the forecast period. Analytical Chemistry and Testing Services are essential for evaluating material properties, maintaining safety standards, and achieving regulatory approval in sectors such as healthcare, manufacturing, environmental science, and food processing. These services focus on accurately measuring chemical composition, detecting impurities, and assessing product performance through both qualitative and quantitative methods. Techniques like spectroscopy, chromatography, mass spectrometry, and classical chemical analysis enable high-precision results. Businesses use analytical testing to enhance product development, ensure consistency in production, comply with global regulations, and minimize quality-related risks. Increasing focus on compliance, advanced research, and sustainable practices is steadily boosting the global need for reliable analytical chemistry and testing capabilities.

According to the World Health Organization (WHO), testing services in pharmaceuticals and diagnostics are critical, with over 70% of clinical decisions globally relying on laboratory test results.

Market Dynamics:

Driver:

Growth of pharmaceutical and biotechnology industries

Expanding pharmaceutical and biotechnology industries strongly contribute to the rising demand for analytical chemistry and testing services. The development of drugs and biologics requires continuous testing to confirm quality, performance, and safety at each production stage. Analytical services are critical for compound characterization, impurity profiling, stability studies, and regulatory submissions. Growing focus on complex therapies, including biologics and personalized medicine, has increased the need for high-precision analytical methods. As healthcare investments grow worldwide, pharmaceutical and biotech companies increasingly rely on specialized testing partners to support innovation, maintain compliance, and accelerate time-to-market for new treatments.

Restraint:

High cost of advanced analytical instrumentation

High expenses linked to advanced analytical equipment pose a major limitation for the analytical chemistry and testing services market. Cutting-edge instruments demand large upfront investments along with continuous maintenance, calibration, and trained professionals. Smaller laboratories frequently struggle to afford these costs, making technology adoption difficult. Added expenditures for consumables, compliance validation, and software enhancements further raise operational spending. As a result, many service providers face constrained scalability and reduced competitiveness. These cost pressures can discourage new entrants and slow modernization efforts, particularly in emerging economies, ultimately restraining the broader growth potential of analytical chemistry and testing services.

Opportunity:

Rising demand for environmental testing and sustainability

The rising emphasis on environmental sustainability is generating strong growth opportunities for the analytical chemistry and testing services market. Regulatory bodies increasingly require industries to test air, water, and soil to control pollution and protect

ecosystems. Analytical services are essential for tracking emissions, managing waste, and ensuring compliance with environmental laws. At the same time, organizations are adopting sustainable manufacturing practices that require frequent chemical monitoring. Growing awareness of environmental risks among consumers and policymakers further accelerates demand. This global shift toward sustainability creates expanding opportunities for analytical testing providers specializing in environmental and ecological analysis.

Threat:

Intense competition and price pressure

High levels of competition significantly threaten the analytical chemistry and testing services market. With many laboratories offering comparable services, pricing pressure has increased, forcing providers to compete primarily on cost. Clients frequently seek low-cost testing solutions, which can reduce margins and strain operational sustainability. Smaller and mid-sized laboratories often struggle to balance competitive pricing with investments in quality systems and advanced instruments. This environment can lead to service commoditization and reduced differentiation. As competition intensifies globally, analytical service providers face continuous challenges in preserving profitability while delivering reliable, high-quality testing solutions.

Covid-19 Impact:

The COVID-19 outbreak created both challenges and opportunities for the analytical chemistry and testing services market. Early pandemic restrictions limited laboratory access, slowed industrial production, and delayed non-essential testing projects. In contrast, healthcare-related demand rose sharply, driven by vaccine development, pharmaceutical research, and diagnostic testing. Analytical chemistry services were essential for ensuring product quality, safety, and regulatory approval during this period. The heightened emphasis on public health, compliance, and scientific research increased reliance on specialized testing services. Although short-term disruptions affected operations, strong demand from life sciences supported market resilience and contributed to sustained growth post-pandemic.

The bioanalytical testing segment is expected to be the largest during the forecast period

The bioanalytical testing segment is expected to account for the largest market share

during the forecast period because of its strong importance in life sciences research and pharmaceutical development. It involves the analysis of biological matrices to support drug development, clinical research, and manufacturing quality control. This testing is vital for evaluating drug behavior, therapeutic effectiveness, and safety throughout the product lifecycle. Rising focus on biologics, personalized medicine, and advanced therapies has significantly increased demand for specialized bioanalytical services. Strict regulatory expectations and the need for precise, reproducible results continue to reinforce the prominence of bioanalytical testing as the most influential segment in the market.

The environmental samples segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the environmental samples segment is predicted to witness the highest growth rate due to increasing emphasis on environmental safety and compliance. Regulatory authorities worldwide are strengthening requirements for testing natural resources, including water, air, and soil, to control pollution and protect ecosystems. Industrial activities generate complex waste streams that require frequent analytical evaluation to meet legal and sustainability goals. Rising awareness of environmental health risks and climate-related challenges is further boosting demand for systematic monitoring. As industries and governments prioritize sustainable practices, analytical testing of environmental samples is witnessing rapid expansion and strong growth momentum across global markets.

Region with largest share:

During the forecast period, the North America region is expected to hold the largest market share, supported by a mature industrial base and advanced scientific capabilities. Strong demand from pharmaceuticals, biotechnology, chemicals, and environmental monitoring sectors fuels continuous need for high-quality analytical services. The region's strict regulatory standards require extensive testing to ensure safety, accuracy, and compliance. Well-developed laboratory infrastructure, skilled professionals, and ongoing investment in research and innovation further strengthen market growth. Additionally, the early adoption of advanced analytical technologies and strong focus on quality control help maintain North America's largest market share globally.

Region with highest CAGR:

Over the forecast period, the Asia Pacific region is anticipated to exhibit the highest CAGR due to strong economic and industrial expansion. The region is seeing increased activity in pharmaceuticals, chemicals, food production, and environmental management, all of which require extensive analytical testing. Regulatory frameworks are becoming more stringent, increasing the need for compliance-focused testing services. Growing investment in laboratory infrastructure, research capabilities, and outsourced testing further accelerates demand. Additionally, the availability of cost-efficient analytical services and an expanding talent pool position Asia-Pacific as the most rapidly growing regional market for analytical chemistry and testing services.

Key players in the market

Some of the key players in Analytical Chemistry and Testing Services Market include Eurofins Scientific, SGS SA, Charles River Laboratories, WuXi AppTec, Intertek Group, Thermo Fisher Scientific, Labcorp, Pace Analytical Services, Boston Analytical, West Pharmaceutical Services, Bureau Veritas, ALS Limited, Element Materials Technology, LGC Limited and Syneos Health.

Key Developments:

In October 2025, Thermo Fisher Scientific is set to acquire Clario Holdings after entering a \$8.8 billion definitive agreement, which includes cash at closing, potential future payments, and potential additional earnouts. The acquisition is set to create meaningful benefits for both pharma and biotech customers, as pharma and biotech companies have increased the amount of clinical trials being conducted, which includes increased complexity, drive for greater demand for endpoint data to assess therapeutic safety, effectiveness, and value.

In September 2025, Charles River has formed a strategic alliance with the Parker Institute for Cancer Immunotherapy (PICI). This research institute brings together researchers, nonprofits, and industry partners to expedite the delivery of treatments to patients. As part of the strategic alliance, PICI network members and their companies will have access to Charles River's portfolio of preclinical drug discovery and development services, ranging from early discovery to manufacturing.

In September 2024, Eurofins Scientific acquired Infinity Laboratories, Inc.. Infinity operates eight state-of-the-art laboratories across the United States and employs approximately 100 staff. The company offers microbiology, chemistry, sterilisation, and package testing to pharmaceutical, biotechnology, and medical device clients. Infinity's

competencies and geographic coverage complement and enhance Eurofins' portfolio in BioPharma Product Testing and Medical Device Testing services.

Service Types Covered:

Bioanalytical Testing

Method Development & Validation

Stability Testing

Microbial Testing

Physical/Chemical Characterization

Batch Release Testing

Material Quality Testing

Sample Types Covered:

Raw Materials

Finished Products

Biological Samples

Medical Devices

Environmental Samples

Food & Beverage Samples

End Users Covered:

Pharmaceutical Companies

Biopharmaceutical Companies

Contract Research Organizations (CROs)

Contract Manufacturing Organizations (CMOs)

Academic & Research Institutions

Hospitals & Clinics

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2024, 2025, 2026, 2028, and 2032

- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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Note: Tables for North America, Europe, APAC, South America, and Middle East &
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