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Food Allergen Testing Services Market Forecasts to 2032 – Global Analysis By Allergen Type (Gluten, Peanuts, Tree Nuts, Milk & Dairy, Eggs, Soy, Seafood & Shellfish and Other Allergen Types), Testing Method, Sample Type, Service Type, End User and By Geography

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Abstracts

According to Stratistics MRC, the Global Food Allergen Testing Services Market is accounted for $1.20 billion in 2025 and is expected to reach $2.63 billion by 2032 growing at a CAGR of 11.8% during the forecast period. Food Allergen Testing Services refer to specialized analytical procedures designed to detect and quantify allergenic substances in food products, ensuring consumer safety and regulatory compliance. These services employ advanced techniques such as ELISA, PCR, and mass spectrometry to identify common allergens like peanuts, gluten, dairy, and shellfish, even at trace levels. By providing accurate and reliable testing, they help food manufacturers, processors, and regulatory bodies prevent allergic reactions, maintain product integrity, and adhere to labeling standards. These services are critical for safeguarding public health and building consumer trust in the food industry.

Market Dynamics:

Driver:

Rising Prevalence of Food Allergies

The global surge in food allergies is a key driver for the Food Allergen Testing Services market. Increasing awareness among consumers about allergen-related health risks

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and the growing incidence of conditions such as peanut, gluten, and shellfish allergies have compelled manufacturers to implement stringent testing protocols. Regulatory authorities are enforcing stricter allergen labeling and safety standards, further amplifying the demand. As a result, food producers are increasingly investing in reliable allergen testing services to ensure consumer safety, compliance, and brand credibility. Thus, it drives the market expansion.

Restraint:

High Testing Costs

High operational and technological costs associated with food allergen testing serve as a significant restraint on market growth. Advanced analytical methods, such as ELISA, PCR, and mass spectrometry, require specialized equipment, skilled personnel, and ongoing maintenance, which elevate overall expenses. Small and medium sized food producers may face budgetary constraints, limiting widespread adoption. Additionally, frequent and routine testing to meet regulatory requirements further adds financial burden, potentially slowing market penetration, especially in cost sensitive regions.

Opportunity:

Advancements in technology

Technological innovations present substantial opportunities for the market. The development of faster, more accurate, and sensitive testing methods, including multiplex assays, automation, and high-throughput detection systems, enhances reliability while reducing turnaround time. Emerging portable and on site testing solutions further enable real time monitoring, catering to diverse food production environments. These advancements not only improve operational efficiency but also allow manufacturers to expand testing capabilities, meet stringent regulations, and address rising consumer demand for allergen safe food products.

Threat:

Complexity of Food Matrices

The complexity of food matrices poses a critical threat to the accuracy and efficiency of allergen testing services. Diverse ingredients, processing techniques, and cross contamination risks can interfere with detection methods, leading to false positives or

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negatives. Certain food matrices, such as baked goods, processed meals, and multi ingredient products, present unique analytical challenges that require advanced methodologies and rigorous validation. These complications increase testing time, cost, and technical requirements, creating barriers for consistent and reliable allergen detection across the global food industry.

Covid-19 Impact:

The COVID-19 pandemic impacted the market by disrupting supply chains, delaying regulatory audits, and temporarily reducing production in the food industry. Simultaneously, heightened health awareness and stringent safety protocols accelerated the adoption of testing services once operations resumed. The crisis highlighted the importance of food safety and compliance, prompting manufacturers to strengthen allergen testing measures. As a result, the pandemic indirectly reinforced market growth, driving long term demand for reliable, efficient, and technologically advanced allergen testing solutions globally.

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

The routine testing segment is expected to account for the largest market share during the forecast period, as routine testing ensures continuous monitoring of allergenic substances across the supply chain, from raw materials to finished products. This segment’s prominence is driven by regulatory mandates, increasing consumer safety concerns, and the need for consistent quality assurance. By providing systematic, standardized, and frequent testing, food manufacturers can mitigate allergy risks, prevent recalls, maintain product integrity, and build trust among consumers, thereby reinforcing the market’s steady growth trajectory.

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

Over the forecast period, the ELISA segment is predicted to witness the highest growth rate, because ELISA’s superior sensitivity, specificity, and adaptability make it the preferred method for detecting trace allergens, including peanuts, gluten, and dairy. Its compatibility with high-throughput testing and automation allows for faster, more efficient analyses, reducing turnaround time and operational costs. Increasing regulatory focus on allergen labeling, coupled with rising demand for precise and reliable testing solutions, further propels the adoption of ELISA, positioning it as the fastest-growing segment globally.

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Region with largest share:

During the forecast period, the North America region is expected to hold the largest market share, owing to stringent regulatory frameworks, including proactive allergen labeling enforcement, and high consumer awareness of food allergies. The presence of advanced laboratories, cutting edge technology, and major food manufacturers further accelerates market adoption. Continuous investment in research and development of innovative testing methods, coupled with demand for reliable and rapid allergen detection, positions North America as the fastest growing region for market expansion.

Region with highest CAGR:

Over the forecast period, the Asia Pacific region is anticipated to exhibit the highest CAGR, due to rapid industrialization, expanding food processing and export sectors, and increasing consumer awareness of food safety regulations contribute to this dominance. Countries such as China, Japan, and India are enforcing stricter allergen labeling standards, prompting manufacturers to invest heavily in testing services. Growing population, rising disposable incomes and adoption of international food safety norms further drives the market and making Asia Pacific the leading region for Food Allergen Testing Services.

Key players in the market

Some of the key players in Food Allergen Testing Services Market include Thermo Fisher Scientific Inc., R-Biopharm AG, Eurofins Scientific SE, AsureQuality Ltd., SGS SA, Bureau Veritas SA, Intertek Group plc, Charm Sciences, Inc., ALS Limited, ELISA Technologies, Inc., M?rieux NutriSciences Corporation, HOB Biotech Group, Neogen Corporation, Romer Labs, and Microbac Laboratories Inc.

Key Developments:

In January 2026, TetraScience has partnered with Thermo Fisher Scientific to accelerate scientific data and AI enablement across laboratories. The collaboration will integrate TetraScience's data platform with Thermo Fisher's instrument ecosystem, enhancing data accessibility, workflow automation, and AI driven insights to improve research productivity.

In October 2025, Thermo Fisher Scientific has announced a research and development partnership with AstraZeneca's BioVentureHub to accelerate scientific innovation. The

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collaboration will focus on advancing analytical technologies, enabling faster, data driven R&D outcomes and strengthening scientific capabilities within both organizations.

Allergen Types Covered:

- Gluten
- Peanuts
- Tree Nuts
- Milk & Dairy
- Eggs
- Soy
- Seafood & Shellfish
- Other Allergen Types

Testing Methods Covered:

- ELISA
- PCR
- Mass Spectrometry
- Lateral Flow Assay
- Other Methods

Sample Types Covered:

- Raw Ingredients

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- Finished Food Products

Service Types Covered:

- Routine Testing
- Confirmatory Testing
- Consulting Services
- Other Service Types

End Users Covered:

- Food & Beverage Manufacturers
- Third Party Testing Laboratories
- Retailers
- Food Service Providers
- Other End Users

Regions Covered:

- North America
  - US
  - Canada
  - Mexico
- Europe

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- 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

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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)

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Competitive Benchmarking

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

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Contents

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10 GLOBAL FOOD ALLERGEN TESTING SERVICES MARKET, BY GEOGRAPHY

+357 96 030922
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11 KEY DEVELOPMENTS

12 COMPANY PROFILING

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List Of Tables

LIST OF TABLES

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Note: Tables for North America, Europe, APAC, South America, and Middle East & Africa Regions are also represented in the same manner as above.

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