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Food Safety Testing Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

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Abstracts

The Global Food Safety Testing Market was valued at USD 24.2 billion in 2024 and is estimated to grow at a CAGR of 6.7% to reach USD 45.4 billion by 2034.

The market is witnessing substantial growth driven by the rising incidence of foodborne diseases and contamination concerns worldwide. Increasing cases of exposure to harmful pathogens, toxins, and chemical residues have pushed both regulatory authorities and the food industry to strengthen testing protocols. Growing awareness among consumers about food hygiene has also accelerated the adoption of safety testing technologies across food production, processing, and packaging stages. The implementation of stricter global food safety regulations by organizations such as the FDA, EFSA, and FSSAI has made testing mandatory across several food categories, thereby expanding the frequency and scope of inspections. Companies are heavily investing in advanced laboratories and automated systems to comply with certification standards and international quality regulations. The growing complexity of the global food supply chain, coupled with cross-border trade, has heightened contamination risks during transport and storage. As a result, demand for third-party verification, traceability solutions, and internationally accredited laboratories has surged to ensure consistent safety standards across all stages of the food distribution process.

The pathogen testing segment was valued at USD 7.8 billion in 2024 and is projected to grow at a CAGR of 6.9% between 2025 and 2034. The food safety testing market continues to grow steadily across pathogen and allergen testing categories, as manufacturers prioritize consumer well-being and compliance with regulatory norms. Pathogen testing demand has surged due to increased microbial contamination incidents in processed and ready-to-eat products. Similarly, allergen testing is gaining

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momentum as stricter labeling requirements and rising public awareness of food allergies push companies toward faster and more precise detection methods that deliver rapid and accurate results.

The rapid testing methods segment reached USD 22.6 billion in 2024 and is estimated to register a CAGR of 6.7% through 2034. Rapid testing solutions using advanced immunoassay and PCR-based technologies are being widely adopted because of their ability to provide quick, accurate, and simultaneous detection of multiple contaminants. Techniques like ELISA and PCR are becoming preferred tools for identifying pathogens, allergens, and genetically modified ingredients across various food types. Their scalability and dependability make them ideal for high-volume quality assurance and in-process testing, especially in large-scale food manufacturing setups where accuracy and speed are essential.

North America Food Safety Testing Market was valued at USD 9.1 billion in 2024 and is projected to record robust growth during the forecast period. The region's strong emphasis on food safety compliance and consumer awareness has significantly boosted market expansion. Stringent regulatory frameworks enforced by bodies such as the FDA and USDA have encouraged food producers to adopt faster and more precise testing technologies. The increasing number of product recalls linked to microbial and chemical contamination, coupled with the growing consumption of packaged and ready-to-eat foods, continues to drive testing demand in the U.S. and Canada.

Major players in the Global Food Safety Testing Market include Intertek Group PLC, Eurofins Scientific SE, Bureau Veritas, SGS S.A., ALS Limited, and others. Leading companies in the food safety testing market are adopting a mix of strategic initiatives to expand their global presence and enhance competitiveness. Firms such as Eurofins Scientific SE, Intertek Group PLC, and Bureau Veritas are focusing on capacity expansion through new laboratory establishments and regional partnerships. They are investing heavily in automation, AI-driven analytics, and next-generation molecular diagnostic platforms to increase testing speed and precision. Mergers and acquisitions remain key strategies to strengthen market access and broaden service portfolios.

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