

Food Pathogen Testing Market to Reach USD 49.06 Billion by 2033, Growing at an 8.5% CAGR | FMI

Testing and maintaining the shelf-life of food and drinks have resulted in the commercialization of food pathogen testing services.

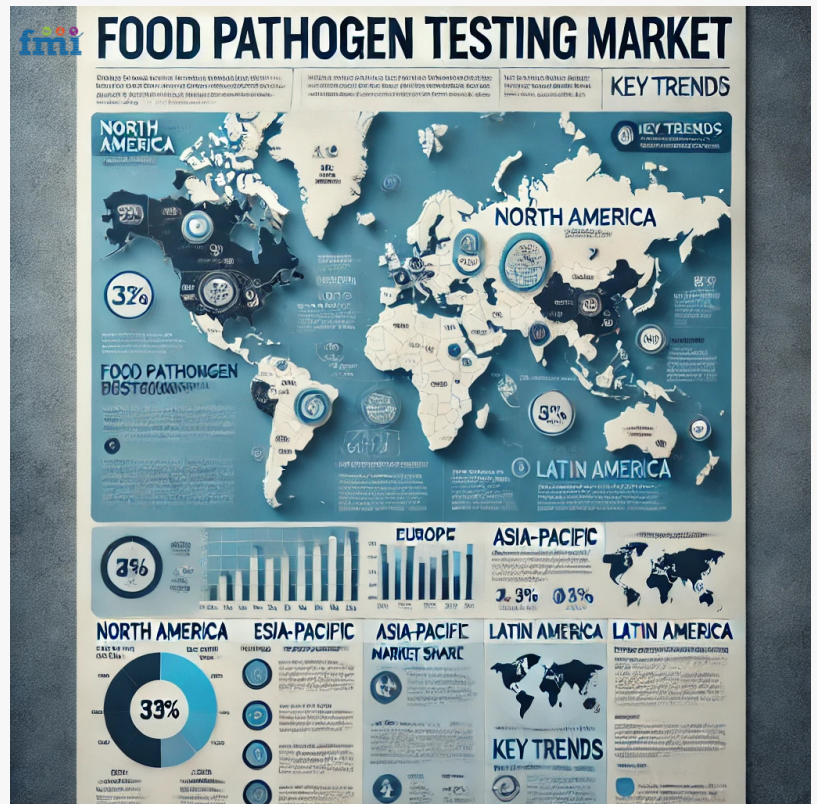
NEWARK, DE, UNITED STATES, February 12, 2025 /EINPresswire.com/ -- The [food pathogen testing market](https://www.futuremarketinsights.com/report-sample#5245502d47422d3136393434) is projected to be valued at USD 21.7 billion in 2023, with significant growth anticipated over the next decade. By 2033, the market is expected to reach USD 49.06 billion, expanding at a CAGR of 8.5% during the forecast period.

The Food Pathogen Testing Market refers to the industry focused on detecting harmful microorganisms in food products to ensure safety and regulatory compliance. These pathogens, including Salmonella, Listeria, E. coli, and Campylobacter, can cause foodborne illnesses, making testing essential for public health and consumer safety.

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Food Pathogen Testing Market



Food Coating Ingredients Market Regional Analysis

The global food pathogen testing market is witnessing significant growth due to increasing

concerns over food safety and stringent government regulations. Foodborne illnesses caused by pathogens such as Salmonella, E. coli, Listeria, and Campylobacter continue to be a major public health concern, driving the demand for advanced pathogen testing solutions. The rising consumption of processed foods, global food trade expansion, and heightened consumer awareness further propel market growth.

Key Market Drivers:

- The global food pathogen testing market is projected to grow at a CAGR of 8.5% from 2024 to 2032.
- Rising foodborne illnesses and stringent food safety regulations are key growth drivers.
- Rapid technological advancements in testing methods, including PCR and immunoassay-based techniques, are enhancing detection efficiency.
- North America holds the largest market share due to strict food safety regulations, while Asia-Pacific is expected to witness the fastest growth.
- Key industry players are expanding their testing portfolios and investing in innovative solutions to meet regulatory compliance.

For more insights, visit: <https://www.futuremarketinsights.com/industry-analysis/food-technology>

Key Challenges:

1. Increasing Incidence of Foodborne Diseases:
Foodborne pathogens are responsible for millions of illnesses annually, leading to severe health implications and economic losses. Governments and food industry stakeholders are enforcing rigorous pathogen testing procedures to mitigate contamination risks.
2. Stringent Regulatory Frameworks:
Government bodies like the FDA (U.S.), EFSA (Europe), CFIA (Canada), and FSSAI (India) have imposed strict food safety regulations that mandate routine pathogen testing across food production and distribution chains.
3. Technological Advancements in Testing Methods:
New testing techniques such as Polymerase Chain Reaction (PCR), Enzyme-Linked Immunosorbent Assay (ELISA), Biosensors, and Next-Generation Sequencing (NGS) have improved the accuracy and speed of pathogen detection, enabling early identification and prevention of foodborne outbreaks.
4. Growing Demand for Processed and Packaged Foods:
The increasing consumption of processed, ready-to-eat, and packaged food products has raised the risk of contamination, necessitating stringent pathogen testing.

With the rising complexity of global food supply chains, foodborne pathogen testing has become an indispensable practice to prevent outbreaks. Companies investing in rapid and reliable testing solutions will gain a competitive advantage in the evolving regulatory landscape.

Future Outlook: Continued innovation and regulatory support will drive market expansion.

- In July 2022, SGS launched a new food analysis laboratory in Mexico City. The new laboratory assists food organizations in checking the quality of food and regulate.
- In May 2022, Burea Veritas, a laboratory testing provider, announced its new microbiology laboratory in the United States. The laboratory conducts pathogen testing and indicates microbiology for the agri-food industry.
- In April 2022, Mérieux NutriSciences, a food quality, sustainability, and safety provider, announced the acquisition of Laboratorios Bromatológicos Araba. The company is strengthening its pesticide market in South Africa through this acquisition.

Key Companies Profiled: SGS SA (Switzerland), Intertek Group plc (The United Kingdom), Eurofins Scientific S.E. (Luxembourg), Thermo Fisher Scientific Inc., ALS Limited (Australia), Bureau Veritas SA (France), Merieux NutriSciences Corporation, AsureQuality Limited (New Zealand), Microbac Laboratories, Inc., Romer Labs Division Holding GmbH (Austria), TÜV SÜD AG (Germany), NEOGEN Corporation, FoodChain ID Group, Inc., R J Hill Laboratories Limited (New Zealand), Symbio Laboratories (Australia), BIOTECON Diagnostics GmbH (Germany).

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- Food Pathogen Testing for E. Coli Contamination
- Food Pathogen Testing for Salmonella Contamination
- Food Pathogen Testing for Listeria Contamination
- Food Pathogen Testing for Campylobacters Contamination
- Food Pathogen Testing for Pesticide Contamination
- Food Pathogen Testing for Genetically Modified Contamination
- Food Pathogen Testing for Toxin Contamination
- Food Pathogen Testing for Other Contaminations

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- Food Pathogen Testing by Conventional Methods
 - o Food Pathogen Testing by Agar Culturing Technology
 - o Food Pathogen Testing by Polymerase Chain Reaction (PCR) Technology
 - o Food Pathogen Testing by Other Technologies
- Food Pathogen Testing by Rapid Methods
 - o Food Pathogen Testing by Biosensor-based Technology
 - o Food Pathogen Testing by Immunological-based Technology
 - o Food Pathogen Testing by Other Technologies

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- Food Pathogen Testing on Fruits & Vegetables
- Food Pathogen Testing on Grains & Cereals
- Food Pathogen Testing on Processed Foods

- Food Pathogen Testing on Dairy Products
- Food Pathogen Testing on Meat, Poultry & Seafood Products
- Food Pathogen Testing on Other Products

Food Pathogen Testing Industry in North America Market

- Food Pathogen Testing Industry in North America Market
- Food Pathogen Testing Industry in Latin America Market
- Food Pathogen Testing Industry in Europe Market
- Food Pathogen Industry in East Asia Market
- Food Pathogen Testing Industry in South Asia and Pacific Market
- Food Pathogen Testing Industry in the Middle East and Africa (MEA) Market

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