

Global Food Safety Testing Market (by Contaminants, Pathogens, Types of Food Tested, Technology/Method, Regional Analysis), Company Profiles, Major Acquisitions, Trends and Recent Developments - Forecast to 2032

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Abstracts

The global food safety testing market is predicted to increase from US\$ 22.02 Billion in 2023 to around US\$ 40.82 Billion by 2032. Food contamination now-a-days is quickly becoming a worldwide issue, which is raising concern for adequate food safety testing methods and procedures. Food-related queries and complaints are continuously rising with time, which reflects the growing concern of government authorities and consumers. Food safety is threatened by microbial pathogens, viruses, toxins, genetically modified organism content, pesticides, food allergens and others.

The practice of food safety testing has gained considerable significance over the past few years in view of growing incidences of food-borne illnesses and poisoning caused by contaminated food products. The increasing consumption of processed and packaged food in developing and developed countries, owing to factors such as shifting lifestyles and food habits, rapid urbanization & fast paced life, increasing disposable incomes of consumers, rise in nuclear families and dual income households, is projected to drive the food safety testing market. Companies engaged in the manufacturing and distributions of food products are mandated by their respective regional and international regulatory agencies to implement food safety testing and certification.

Recent Developments

In June 2024, Neogen Corporation announced the launch of Neogen's Petrifilm

Automated Feeder to help high-volume food safety testing laboratories implement a more efficient way to process quality indicator tests.

In May 2024, Agilent Technologies International Pvt Ltd., a pioneer in analytical laboratory solutions, announced a strategic partnership with ICAR-National Research Centre for Grapes (NRCG) to co-develop advanced analytical workflows and address critical gaps in emerging food safety protocols.

In August 2023, ALS Limited strengthened its position as a market leader in food testing services with the acquisition of Proanaliz.

By Contaminant: Global Food Safety Testing Market – Key Takeaways

Among the contaminants of food, testing for pathogens dominated, with Salmonella accounting for the largest share in the food safety testing market. Pathogens, including primarily bacteria such as Salmonella, Shiga toxin-producing E. coli (STEC), Listeria, and Campylobacter, are responsible for the largest outbreaks and most food recalls.

Genetically Modified Organisms (GMOs) are the second leading contaminant in the food safety testing market. The countries in the EU region have stringent GMO regulations which in turn results in vigorous testing of GMOs for safety.

Toxins and the Pesticides are the other leading contaminants in the food safety testing market. Myriad forms of toxins are present in foods and are principally classified as either natural or environmental.

By Pathogen: Global Food Safety Testing Market – Key Takeaways

In 2023, Salmonella testing dominated the global demand for food pathogen testing owing to a large number of foodborne outbreaks due to Salmonella in foods such as meat and poultry, dairy, processed food, and fruits and vegetables. The outbreak of foodborne illnesses due to Salmonella and other pathogens is significant across the globe. This has resulted in a high number of tests conducted for Salmonella; hence, the market for Salmonella testing is projected to grow in the next several years.

E-coli testing is the second leading segment of the food pathogen testing market, driven by rising awareness regarding hygiene; government regulations regarding water & food management; and increasing prevalence of water-borne diseases, such as diarrhea and Hemolytic Uremic Syndrome.

By Food Type: Global Food Safety Testing Market - Key Takeaways

Based on food type, the global food safety testing market is dominated by Meat and poultry, followed by Processed food products, as maximum number of illnesses have been associated with these applications globally. These two segments together accounted for around 59% share of the total food safety testing market in 2023.

Dairy and dairy products is the third leading application of food safety testing market being followed by fruits and vegetables.

By Region: Food Safety Testing Market - Key Takeaways

North America dominated the global food safety testing market in 2023, and this trend is projected to continue through 2032 due to an increasing number of food poisoning outbreaks in the region and increasing consumer awareness of food safety and its implications.

Western Europe is the second-leading regional market for food safety testing, driven by the stringent food safety regulations imposed by the European Food Safety Authority (EFSA).

Japan captured third highest share of the global food safety testing market in 2023. The food safety testing market is gaining growing level of importance in Japan owing to the continual increase in the number of food-borne disease outbreaks, increasingly stringent regulations on food safety, the growing level of trade between Japan and other countries, and the sustained number of food recalls, among others.

With the globalization of food trade and increasing import-export activities between China and the rest of the world, the food safety testing market in China is projected to experience significant growth in the upcoming years.

By Method / Technology: Global Food Safety Testing Market - Key Takeaways

Immunodiagnosics accounted for largest share of the food safety testing market, driven by the advancement of testing technologies and the increase in demand for advanced and rapid technology systems.

Traditional microbiology market share is declining year on year owing to the time consuming and labor-intensive factors associated with the traditional methods.

Molecular diagnostics represent a highly effective tool in the detection and quantification of food safety threats associated with practically any nucleic acid content with intact sequences. Molecular diagnostics have the potential to revolutionize quality testing in food production.

iGATE RESEARCH report titled “Global Food Safety Testing Market (by Contaminants, Pathogens, Types of Food Tested, Technology/Method, Regional Analysis), Company Profiles, Major Acquisitions, Trends and Recent Developments - Forecast to 2032” provides a comprehensive assessment of the fast-evolving, high-growth global food safety testing market.

This 218 Page report with 57 Figures and 12 Tables has been analyzed from 11 viewpoints:

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By Contaminants - Global Food Safety Testing Market and Forecast

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2. Genetically Modified Organisms (GMOs)

3. Toxins

4. Pesticides

5. Other (Food Allergens and Chemical Residues)

By Pathogens - Global Food Safety Testing Market and Forecast

1. Salmonella

2. E-Coli

3. Listeria

4. Campylobacter

5. Others

By Food Type - Global Food Safety Testing Market and Forecast

1. Meat and Poultry

2. Dairy and Dairy Products

3. Processed Food

4. Fruits and Vegetables

5. Others (Cereals, Grains and Sauce)

By Region - Food Safety Testing Market and Forecast

1. North America

2. Central and South America

3. Western Europe

4. Eastern Europe

5. Japan

6. China

7. Rest of Asia Pacific

8. Middle East and Africa

By Method / Technology - Global Food Safety Testing Market and Forecast

1. Traditional Microbiology

2. Immunodiagnosics

3. Molecular Diagnostics

4. Analytical Chemistry

Global Food Safety Testing Market - Company Profiles

1. Agilent Technologies

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3. DuPont
4. 3M
5. Thermo Fisher Scientific Inc.
6. Bio-Rad Laboratories, Inc.
7. SGS SA
8. Eurofins Scientific
9. Intertek
10. Bureau Veritas
11. Neogen Corporation

Data Sources

iGATE RESEARCH employs rigorous primary and secondary research techniques in developing distinctive data sets and research material for business reports. This report is built by using data and information sourced from Proprietary Information Database, Primary and Secondary Research Methodologies, and In house analysis by iGATE Research dedicated team of qualified professionals with deep industry experience and expertise.

Research Methodologies

Primary Research Methodologies: Questionnaires, Surveys, Interviews with Individuals, Small Groups, Telephonic Interview, etc.

Secondary Research Methodologies: Printable and Non-printable sources, Newspaper, Magazine and Journal Content, Government and NGO Statistics, white Papers, Information on the Web, Information from Agencies Such as Industry Bodies, Companies Annual Report, Government Agencies, Libraries and Local Councils and a large number of Paid Databases.

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