

Food Safety Testing Market By Technology (Agar culturing, PCR-based assay, Immunoassay-based, Others), By Food Tested (Meat and meat product, Dairy and dairy product, Cereals, grains, and pulses, Processed food, Others), By Type (Pathogen, Genetically modified organism (GMO), Chemical and toxin, Others): Global Opportunity Analysis and Industry Forecast, 2021-2031

Market Report | 2023-03-01 | 171 pages | Allied Market Research

AVAILABLE LICENSES:

- Cloud Access License \$3110.40
- Business User License \$5157.00
- Enterprise License \$8640.00

Report description:

The global Food safety testing market size was valued at \$18,713.3 million in 2021 and is projected to reach \$37,469.8 million by 2031, registering a CAGR of 7.2%.?On the basis of its microbiological, physical, or chemical makeup, food safety testing is a scientific technique that assesses whether food is safe. The testing procedure used to determine the safety of food must be exact, clear, repeatable, standardized, and affordable. Adequate food safety testing can address both rise in global demand for nutritious food and the sustainability of the supply.??

Analyzing food products to evaluate their safety for eating is the major objective of food safety testing. Food companies claim that their operations adhere to food safety standards and that they abide by all applicable laws and regulations that are supported by testing. These procedures are crucial for guaranteeing food quality and the finest & safest possible eating experience. The standards for performing food safety tests emphasize on healthy food products delivered to consumers. In addition, food handlers and food manufacturers are responsible for conducting food safety testing procedures. Every food firm is required to carry out specified food safety testing and to establish a food safety testing facility. Foodborne infections are a serious and growing public health risk with a high prevalence of morbidity and mortality around the world. Consuming contaminated food or drink that contains 15 or more primary pathogens, such as viruses, bacteria, and parasites, causes more than 90% of health disorders. The two pathogens that have the greatest global impact on human health are salmonella and norovirus. In addition, foodborne diseases typically result in fever, nausea, vomiting, diarrhea, stomach pain, and loss of appetite. The World Health Organization (WHO) estimates that each year, contaminated food causes 600 million cases of foodborne illnesses and 420,000 fatalities

worldwide. Moreover, 30% of deaths from foodborne illnesses are caused by children under the age of five. Moreover, 33 million lives are lost worldwide each year as a result of eating unhealthily, according to estimates from the World Health Organization (WHO). As a result, the producers have the chance to present their creative approaches and techniques for testing the safety of food.?

The adoption of numerous food safety regulations has spurred the growth of the American industry for food safety testing. The recycling of animal byproducts, the sale of commodities after their "use by" date has passed, the introduction of hazardous additives, and inappropriate food handling techniques are some of the most common food fraud tactics. Food borne illnesses, which can ultimately result in death, are brought on by consuming food that has been contaminated with radioactive and dangerous substances. The implementation of stringent restrictions by a number of leading food safety agencies, including the U.S. Food and Drug Administration (FDA) and Centers for Disease Control and Prevention (CDC), to stop consumer disease and food fraud, is expected to boost the U.S. food safety testing industry. The market for food safety testing is anticipated to expand as a result of an uptick in cases of food debasement, such as adulterations, pesticides, artificial flavor enhancers, and certifications. Moreover, increase in economically motivated adulterations (EMAs) brought on by fierce competition among food producers is expected to increase the demand globally?

The market for food safety testing in the U.S. is particularly competitive as a result of the existence of various reliable manufacturers and providers. Furthermore, there has been a significant amount of market consolidation recently, and with the rise in acceptance of food safety testing and technological advancements, this trend is projected to continue. As the global food market has expanded, strong competition has beset food producers. For instance, adding formalin as a preservative to fish and meat items keeps the product fresh and hence lengthens its shelf life. However, tampering with food on purpose poses health hazards and has an impact on customers, businesses, and the economy.?

The food's quality is purposely decreased to boost profits. Food adulteration includes purposeful addition of substances as well as unintentional contamination during planting, harvesting, handling, transporting, and distributing food products. Food that has been altered is toxic and lacks in key nutrients, both of which are harmful to health and pose a threat to life. The bulk of infected food goods, which include dairy products, shellfish, honey, and many other commodities, are found in the U.S., Latin America, India, and China. Food safety experts ensure that both domestic and imported food products are wholesome and safe for ingestion by people. Without the introduction of Prohibited Acts, individuals can consume food that is safe both domestically and overseas.? To combat the high-profile foodborne infections linked to ready-to-eat foods and fresh food items, such misleading practises must be stopped. As a result, the development of microbial intervention technologies and advancements in food technology to lower, eradicate, and control pathogens from food products have a beneficial effect on the global market for food safety testing. Some of the techniques that are frequently employed in food processing operations include ohmic processing, ultra-high pressure hydrostatic processing, high electric field pulses, radiofrequency (RF) heating, and microwave processing. These procedures involve heating a substance using electromagnetic waves to further pasteurize and sterilize it. To successfully eliminate germs and lengthen the shelf life of a product, various techniques are employed for various food product categories. In addition, the use of rapid test kits shields the business from unintentional food product adulteration, which is anticipated to present prospects for market advancement.?

The Food safety testing market is segmented on the basis of? type, food-tested, technology, and region. By type, the market is categorized into pathogen, genetically modified organism (GMO), chemical & toxin, and others. On the basis of food-tested, the food safety testing market is fragmented into meat & meat product, dairy & dairy product, cereals, grains,? pulses, processed food, and others. By technology, the market is divided into agar culturing, PCR-based assay, immunoassay-based, and others. Region-wise, the market is analyzed across North America (the U.S., Canada, and Mexico), Europe (Germany, France, UK, Italy, Spain, Switzerland, and the rest of Europe), Asia-Pacific (China, India, Japan, South Korea, Australia, and the rest of Asia-Pacific), and LAMEA (Brazil, South Africa, UAE, Saudi Arabia Argentina and the rest of LAMEA).???

The major players operating in the global Food safety testing are SGS SA, Eurofins Scientific, Intertek Group PLC, Bureau Veritas SA, ALS Limited, TUV SUD, AsureQuality Ltd, DNV GL, Bio-Rad Laboratories and Thermo Fisher Scientific, Inc.??? Key Benefits For Stakeholders

-This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the food safety testing market analysis from 2021 to 2031 to identify the prevailing food safety testing market opportunities.

-The market research is offered along with information related to key drivers, restraints, and opportunities.

-Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.

-In-depth analysis of the food safety testing market segmentation assists to determine the prevailing market opportunities.

-Major countries in each region are mapped according to their revenue contribution to the global market.

-Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.

-The report includes the analysis of the regional as well as global food safety testing market trends, key players, market segments, application areas, and market growth strategies.

- Key Market Segments
- Ву Туре
- Pathogen
- Genetically modified organism (GMO)
- Chemical and toxin
- Others
- By Technology
- Agar culturing
- PCR-based assay
- Immunoassay-based
- Others
- By Food Tested
- Meat and meat product
- Dairy and dairy product
- Cereals, grains, and pulses
- Processed food
- Others
- By Region
- North America
- ? U.S.
- ? Canada
- ? Mexico
- Europe
- ? Germany
- ? UK
- ? France
- ? Italy
- ? Spain
- ? Switzerland
- ? Rest of Europe
- Asia-Pacific
- ? China
- ? India
- ? Japan
- ? South Korea
- ? Australia
- ? Rest of Asia-Pacific
- LAMEA

? Brazil ? South Africa ? UAE ? Saudi Arabia ? Argentina ? Rest of LAMEA - Key Market Players ? Intertek Group plc ? SGS SA ? TUV SUD AG ? ALS Limited ? Bio-Rad Laboratories ? AsureQuality Ltd ? Eurofins Scientific ? Bureau Veritas SA ? Thermo Fisher Scientific, Inc. ? DNV AS

Table of Contents:

CHAPTER 1: INTRODUCTION

- 1.1. Report description
- 1.2. Key market segments
- 1.3. Key benefits to the stakeholders
- 1.4. Research Methodology
- 1.4.1. Primary research
- 1.4.2. Secondary research
- 1.4.3. Analyst tools and models
- CHAPTER 2: EXECUTIVE SUMMARY
- 2.1. CXO Perspective
- CHAPTER 3: MARKET OVERVIEW
- 3.1. Market definition and scope
- 3.2. Key findings
- 3.2.1. Top impacting factors
- 3.2.2. Top investment pockets
- 3.3. Porter's five forces analysis
- 3.3.1. Bargaining power of suppliers
- 3.3.2. Bargaining power of buyers
- 3.3.3. Threat of substitutes
- 3.3.4. Threat of new entrants
- 3.3.5. Intensity of rivalry
- 3.4. Market dynamics
- 3.4.1. Drivers
- 3.4.1.1. Implementation of stringent regulations related to food fraud
- 3.4.1.2. Rise in economically motivated adulteration (EMA) owing to high competition among food producers
- 3.4.1.3. Increase in instances of food debasement such as presence of harmful chemicals, adulterations, and certification
- 3.4.2. Restraints

- 3.4.2.1. Lack of food control infrastructure in the developing economies
- 3.4.2.2. Complexity in testing techniques
- 3.4.2.3. Lack of harmonization of regulations
- 3.4.3. Opportunities
- 3.4.3.1. Growth in the prevalence of food borne disease
- 3.4.3.2. Technological advancements
- 3.5. COVID-19 Impact Analysis on the market
- 3.6. Market Share Analysis
- CHAPTER 4: FOOD SAFETY TESTING MARKET, BY TECHNOLOGY
- 4.1. Overview
- 4.1.1. Market size and forecast
- 4.2. Agar culturing
- 4.2.1. Key market trends, growth factors and opportunities
- 4.2.2. Market size and forecast, by region
- 4.2.3. Market share analysis by country
- 4.3. PCR-based assay
- 4.3.1. Key market trends, growth factors and opportunities
- 4.3.2. Market size and forecast, by region
- 4.3.3. Market share analysis by country
- 4.4. Immunoassay-based
- 4.4.1. Key market trends, growth factors and opportunities
- 4.4.2. Market size and forecast, by region
- 4.4.3. Market share analysis by country
- 4.5. Others
- 4.5.1. Key market trends, growth factors and opportunities
- 4.5.2. Market size and forecast, by region
- 4.5.3. Market share analysis by country
- CHAPTER 5: FOOD SAFETY TESTING MARKET, BY FOOD TESTED
- 5.1. Overview
- 5.1.1. Market size and forecast
- 5.2. Meat and meat product
- 5.2.1. Key market trends, growth factors and opportunities
- 5.2.2. Market size and forecast, by region
- 5.2.3. Market share analysis by country
- 5.3. Dairy and dairy product
- 5.3.1. Key market trends, growth factors and opportunities
- 5.3.2. Market size and forecast, by region
- 5.3.3. Market share analysis by country
- 5.4. Cereals, grains, and pulses
- 5.4.1. Key market trends, growth factors and opportunities
- 5.4.2. Market size and forecast, by region
- 5.4.3. Market share analysis by country
- 5.5. Processed food
- 5.5.1. Key market trends, growth factors and opportunities
- 5.5.2. Market size and forecast, by region

- 5.5.3. Market share analysis by country
- 5.6. Others
- 5.6.1. Key market trends, growth factors and opportunities
- 5.6.2. Market size and forecast, by region
- 5.6.3. Market share analysis by country
- CHAPTER 6: FOOD SAFETY TESTING MARKET, BY TYPE
- 6.1. Overview
- 6.1.1. Market size and forecast
- 6.2. Pathogen
- 6.2.1. Key market trends, growth factors and opportunities
- 6.2.2. Market size and forecast, by region
- 6.2.3. Market share analysis by country
- 6.3. Genetically modified organism (GMO)
- 6.3.1. Key market trends, growth factors and opportunities
- 6.3.2. Market size and forecast, by region
- 6.3.3. Market share analysis by country
- 6.4. Chemical and toxin
- 6.4.1. Key market trends, growth factors and opportunities
- 6.4.2. Market size and forecast, by region
- 6.4.3. Market share analysis by country
- 6.5. Others
- 6.5.1. Key market trends, growth factors and opportunities
- 6.5.2. Market size and forecast, by region
- 6.5.3. Market share analysis by country
- CHAPTER 7: FOOD SAFETY TESTING MARKET, BY REGION
- 7.1. Overview
- 7.1.1. Market size and forecast By Region
- 7.2. North America
- 7.2.1. Key trends and opportunities
- 7.2.2. Market size and forecast, by Technology
- 7.2.3. Market size and forecast, by Food Tested
- 7.2.4. Market size and forecast, by Type
- 7.2.5. Market size and forecast, by country
- 7.2.5.1. U.S.
- 7.2.5.1.1. Key market trends, growth factors and opportunities
- 7.2.5.1.2. Market size and forecast, by Technology
- 7.2.5.1.3. Market size and forecast, by Food Tested
- 7.2.5.1.4. Market size and forecast, by Type
- 7.2.5.2. Canada
- 7.2.5.2.1. Key market trends, growth factors and opportunities
- 7.2.5.2.2. Market size and forecast, by Technology
- 7.2.5.2.3. Market size and forecast, by Food Tested
- 7.2.5.2.4. Market size and forecast, by Type
- 7.2.5.3. Mexico
- 7.2.5.3.1. Key market trends, growth factors and opportunities
- 7.2.5.3.2. Market size and forecast, by Technology
- 7.2.5.3.3. Market size and forecast, by Food Tested

7.2.5.3.4. Market size and forecast, by Type 7.3. Europe 7.3.1. Key trends and opportunities 7.3.2. Market size and forecast, by Technology 7.3.3. Market size and forecast, by Food Tested 7.3.4. Market size and forecast, by Type 7.3.5. Market size and forecast, by country 7.3.5.1. Germany 7.3.5.1.1. Key market trends, growth factors and opportunities 7.3.5.1.2. Market size and forecast, by Technology 7.3.5.1.3. Market size and forecast, by Food Tested 7.3.5.1.4. Market size and forecast, by Type 7.3.5.2. UK 7.3.5.2.1. Key market trends, growth factors and opportunities 7.3.5.2.2. Market size and forecast, by Technology 7.3.5.2.3. Market size and forecast, by Food Tested 7.3.5.2.4. Market size and forecast, by Type 7.3.5.3. France 7.3.5.3.1. Key market trends, growth factors and opportunities 7.3.5.3.2. Market size and forecast, by Technology 7.3.5.3.3. Market size and forecast, by Food Tested 7.3.5.3.4. Market size and forecast, by Type 7.3.5.4. Italv 7.3.5.4.1. Key market trends, growth factors and opportunities 7.3.5.4.2. Market size and forecast, by Technology 7.3.5.4.3. Market size and forecast, by Food Tested 7.3.5.4.4. Market size and forecast, by Type 7.3.5.5. Spain 7.3.5.5.1. Key market trends, growth factors and opportunities 7.3.5.5.2. Market size and forecast, by Technology 7.3.5.5.3. Market size and forecast, by Food Tested 7.3.5.5.4. Market size and forecast, by Type 7.3.5.6. Switzerland 7.3.5.6.1. Key market trends, growth factors and opportunities 7.3.5.6.2. Market size and forecast, by Technology 7.3.5.6.3. Market size and forecast, by Food Tested 7.3.5.6.4. Market size and forecast, by Type 7.3.5.7. Rest of Europe 7.3.5.7.1. Key market trends, growth factors and opportunities 7.3.5.7.2. Market size and forecast, by Technology 7.3.5.7.3. Market size and forecast, by Food Tested 7.3.5.7.4. Market size and forecast, by Type 7.4. Asia-Pacific 7.4.1. Key trends and opportunities 7.4.2. Market size and forecast, by Technology 7.4.3. Market size and forecast, by Food Tested 7.4.4. Market size and forecast, by Type

7.4.5. Market size and forecast, by country 7.4.5.1. China 7.4.5.1.1. Key market trends, growth factors and opportunities 7.4.5.1.2. Market size and forecast, by Technology 7.4.5.1.3. Market size and forecast, by Food Tested 7.4.5.1.4. Market size and forecast, by Type 7.4.5.2. India 7.4.5.2.1. Key market trends, growth factors and opportunities 7.4.5.2.2. Market size and forecast, by Technology 7.4.5.2.3. Market size and forecast, by Food Tested 7.4.5.2.4. Market size and forecast, by Type 7.4.5.3. Japan 7.4.5.3.1. Key market trends, growth factors and opportunities 7.4.5.3.2. Market size and forecast, by Technology 7.4.5.3.3. Market size and forecast, by Food Tested 7.4.5.3.4. Market size and forecast, by Type 7.4.5.4. South Korea 7.4.5.4.1. Key market trends, growth factors and opportunities 7.4.5.4.2. Market size and forecast, by Technology 7.4.5.4.3. Market size and forecast, by Food Tested 7.4.5.4.4. Market size and forecast, by Type 7.4.5.5. Australia 7.4.5.5.1. Key market trends, growth factors and opportunities 7.4.5.5.2. Market size and forecast, by Technology 7.4.5.5.3. Market size and forecast, by Food Tested 7.4.5.5.4. Market size and forecast, by Type 7.4.5.6. Rest of Asia-Pacific 7.4.5.6.1. Key market trends, growth factors and opportunities 7.4.5.6.2. Market size and forecast, by Technology 7.4.5.6.3. Market size and forecast, by Food Tested 7.4.5.6.4. Market size and forecast, by Type 7.5. LAMEA 7.5.1. Key trends and opportunities 7.5.2. Market size and forecast, by Technology 7.5.3. Market size and forecast, by Food Tested 7.5.4. Market size and forecast, by Type 7.5.5. Market size and forecast, by country 7.5.5.1. Brazil 7.5.5.1.1. Key market trends, growth factors and opportunities 7.5.5.1.2. Market size and forecast, by Technology 7.5.5.1.3. Market size and forecast, by Food Tested 7.5.5.1.4. Market size and forecast, by Type 7.5.5.2. South Africa 7.5.5.2.1. Key market trends, growth factors and opportunities 7.5.5.2.2. Market size and forecast, by Technology 7.5.5.2.3. Market size and forecast, by Food Tested 7.5.5.2.4. Market size and forecast, by Type

7.5.5.3. UAE 7.5.5.3.1. Key market trends, growth factors and opportunities 7.5.5.3.2. Market size and forecast, by Technology 7.5.5.3.3. Market size and forecast, by Food Tested 7.5.5.3.4. Market size and forecast, by Type 7.5.5.4. Saudi Arabia 7.5.5.4.1. Key market trends, growth factors and opportunities 7.5.5.4.2. Market size and forecast, by Technology 7.5.5.4.3. Market size and forecast, by Food Tested 7.5.5.4.4. Market size and forecast, by Type 7.5.5.5. Argentina 7.5.5.5.1. Key market trends, growth factors and opportunities 7.5.5.5.2. Market size and forecast, by Technology 7.5.5.3. Market size and forecast, by Food Tested 7.5.5.5.4. Market size and forecast, by Type 7.5.5.6. Rest of LAMEA 7.5.5.6.1. Key market trends, growth factors and opportunities 7.5.5.6.2. Market size and forecast, by Technology 7.5.5.6.3. Market size and forecast, by Food Tested 7.5.5.6.4. Market size and forecast, by Type CHAPTER 8: COMPETITIVE LANDSCAPE 8.1. Introduction 8.2. Top winning strategies 8.3. Product Mapping of Top 10 Player 8.4. Competitive Dashboard 8.5. Competitive Heatmap 8.6. Top player positioning, 2021 **CHAPTER 9: COMPANY PROFILES** 9.1. SGS SA 9.1.1. Company overview 9.1.2. Key Executives 9.1.3. Company snapshot 9.1.4. Operating business segments 9.1.5. Product portfolio 9.1.6. Business performance 9.2. Eurofins Scientific 9.2.1. Company overview 9.2.2. Key Executives 9.2.3. Company snapshot 9.2.4. Operating business segments 9.2.5. Product portfolio 9.2.6. Business performance 9.3. Intertek Group plc 9.3.1. Company overview 9.3.2. Key Executives 9.3.3. Company snapshot 9.3.4. Operating business segments

- 9.3.5. Product portfolio
- 9.3.6. Business performance
- 9.4. Bureau Veritas SA
- 9.4.1. Company overview
- 9.4.2. Key Executives
- 9.4.3. Company snapshot
- 9.4.4. Operating business segments
- 9.4.5. Product portfolio
- 9.4.6. Business performance
- 9.5. ALS Limited
- 9.5.1. Company overview
- 9.5.2. Key Executives
- 9.5.3. Company snapshot
- 9.5.4. Operating business segments
- 9.5.5. Product portfolio
- 9.5.6. Business performance
- 9.6. TUV SUD AG
- 9.6.1. Company overview
- 9.6.2. Key Executives
- 9.6.3. Company snapshot
- 9.6.4. Operating business segments
- 9.6.5. Product portfolio
- 9.6.6. Business performance
- 9.7. AsureQuality Ltd
- 9.7.1. Company overview
- 9.7.2. Key Executives
- 9.7.3. Company snapshot
- 9.7.4. Operating business segments
- 9.7.5. Product portfolio
- 9.7.6. Business performance
- 9.8. DNV AS
- 9.8.1. Company overview
- 9.8.2. Key Executives
- 9.8.3. Company snapshot
- 9.8.4. Operating business segments
- 9.8.5. Product portfolio
- 9.8.6. Business performance
- 9.9. Bio-Rad Laboratories
- 9.9.1. Company overview
- 9.9.2. Key Executives
- 9.9.3. Company snapshot
- 9.9.4. Operating business segments
- 9.9.5. Product portfolio
- 9.9.6. Business performance
- 9.10. Thermo Fisher Scientific, Inc.
- 9.10.1. Company overview
- 9.10.2. Key Executives

9.10.3. Company snapshot

9.10.4. Operating business segments

9.10.5. Product portfolio

9.10.6. Business performance



Food Safety Testing Market By Technology (Agar culturing, PCR-based assay, Immunoassay-based, Others), By Food Tested (Meat and meat product, Dairy and dairy product, Cereals, grains, and pulses, Processed food, Others), By Type (Pathogen, Genetically modified organism (GMO), Chemical and toxin, Others): Global Opportunity Analysis and Industry Forecast, 2021-2031

Market Report | 2023-03-01 | 171 pages | Allied Market Research

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License		Price
	Cloud Access License		\$3110.40
	Business User License		\$5157.00
	Enterprise License		\$8640.00
		VAT	
		Total	

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346. []** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	Phone*	
First Name*	Last Name*	
Job title*		
Company Name*	EU Vat / Tax ID / NIP	number*

Address*	City*	
Zip Code*	Country*	
	Date	2025-05-03
	Signature	