

Portable Food Safety Detectors Market Size Expected to Reach \$11.8 Billion by 2031

Portable food safety detectors market size was valued at \$6.9 billion in 2021, and is estimated to reach \$11.8 billion by 2031, growing at a CAGR of 5.5%

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Portable food safety detectors are handheld devices that are designed to test the safety of food by detecting contaminants such as bacteria, chemicals, and other hazardous substances. They work by taking a

sample of the food and analyzing it for the presence of harmful elements. The results are usually displayed on a screen and some models can even provide real-time data and alerts if the food is unsafe for consumption. Portable food safety detectors are commonly used in the food industry, including restaurants, food processing facilities, and by health inspectors.

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The majority of foodborne illnesses are contagious or poisonous in nature and are caused by bacteria, viruses, parasites, or chemical agents that enter the body through contaminated food or water. Foodborne pathogens can result in life-threatening diseases including meningitis or severe diarrhea. The most prevalent foodborne pathogens that infect millions of people each year, often with severe and fatal consequences, include Salmonella, E. coli, and Campylobacter. The most common symptoms are fever, headache, nausea, vomiting, abdominal pain, and diarrhea. Listeria infection can cause miscarriages in pregnant mothers, but chemical contamination can cause immediate poisoning or chronic disorders such as cancer. An increase in awareness about foodborne diseases is expected to create [portable food safety detectors market](#) opportunities. With the increase in the cases of foodborne diseases, food processing companies adopt food safety protocols which include food safety detectors. The increase in awareness about food-borne diseases is expected to propel the growth of the portable food safety detectors industry.



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With the increase in health concerns among consumers and the rise in awareness about food safety, the demand for advanced food safety testing devices has increased. Strong branding and product positioning help to establish the market for portable food safety detectors and differentiate the product from other food safety solutions. Through effective marketing, companies can reach their targeted audiences and cater to their needs. Ongoing portable food safety detectors market trends are expected to create more opportunities for manufacturers in the portable food safety detectors market forecast. Companies operating in the market are investing heavily in promotional activities such as trade shows, demonstrations, and advertising to promote their innovative products among consumers and to increase their revenue. Marketing helps to differentiate the product on the basis of features, benefits, and target markets, allowing the product to stand out in a competitive market. The effective marketing of portable food safety detectors is expected to fuel the portable food safety detectors market growth.

The portable food safety detectors market is segmented into application, site, and region. By application, the market is divided into meat poultry & seafood, dairy products, processed food, beverages, and others. By site, the market is classified into in-house/internal lab and outsourcing facility. Region-wise, the market is analyzed across North America (the U.S., Canada, and Mexico), Europe (Germany, France, Italy, Spain, UK, Russia, and rest of Europe), Asia-Pacific (China, Japan, India, South Korea, Australia, Thailand, Malaysia, Indonesia, and rest of Asia-Pacific), and LAMEA (Brazil, South Africa, Saudi Arabia, UAE, Argentina, and rest of LAMEA).

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By application, the processed food segment held the major portable food safety detectors market share, in terms of revenue, in 2021 as it is being widely used for the food safety testing of processed food. Portable food safety detectors can provide rapid screening results, reducing the time it takes to test food products and allowing food and beverage manufacturers to quickly take action to address any safety issues. Moreover, a portable food safety detector is a cost-effective solution for food and beverage manufacturers, providing a reliable and efficient way to test food products without the need for expensive laboratory equipment.

By site, the outsourcing facility segment held the major portable food safety detectors market share in 2021 and is expected to maintain its dominance during the forecast period. Portable food safety detectors are widely used by outsourcing facilities to test food products quickly and easily for contaminants, helping to ensure the quality and safety of the finished product which is expected to propel the market in the upcoming years.

Region-wise, Europe was the largest market in 2021 and had the highest market share of 36.8%.

Companies operating in the Europe portable food safety detectors market are offering innovative products to sustain in the competitive market. They are launching new products to expand their business operations across different countries in this region and increase their customer base. Consumers in the region are more conscious about food and food safety to avoid diseases and adverse effects of contaminated foods. With the increase in the consumption of processed foods, manufacturers are adopting food safety practices to avoid foodborne diseases and other adverse effects caused by the consumption of contaminated food.

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Some of the key players profiled in the portable food safety detectors market analysis include Allergy Amulet, ALS Ltd., BioSensor Laboratories, Bureau Veritas S.A., Calibration Technologies, LLC., CDx, Inc., DETECTRONIC A/S, Eurofins Scientific, Foodsense, Intertek Group plc, Mérieux NutriSciences, Nima, Optosky, SGS S.A., and Xiamen Haihongxing Instrument Co., Ltd.

Key findings of the study

By application, the dairy products segment is projected to witness the highest CAGR of 7.7%, in revenue terms, during the forecast period.

By site, the in-house/internal lab segment is projected to witness the highest CAGR of 5.4%, in revenue terms, during the forecast period.

By country, the U.S. was the largest country, in terms of revenue generation for the portable food safety detectors market in 2021.

By region, Asia-Pacific is anticipated to witness the highest growth rate, registering a CAGR of 7.4% from 2022 to 2031.

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