

2020 Market Analysis of International Conference on FOOD MICROBIOLOGY Conference December 07-08, 2020 | Tokyo, Japan

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Food Microbiology

The Global Food Microbiology Market report studies current and upcoming development prospects to help interest for the Food Microbiology Testing over the figure time frame.

The U.S. market for Food Microbiology and food market totalled nearly \$56.4 billion in 2014. This market is projected to approach \$61.4 billion in 2015 and \$69.4 billion by 2020, registering a compound annual growth rate (CAGR) of 2.5% through 2021.

Food Security

Achieving greater global food security is a noble goal and, many would argue, a moral responsibility. It is also squarely in the self-interest of the United States, because hunger causes unrest and instability, which in turn affect U.S. national security and commercial interests. Global food security requires a multi-pronged strategy. Increased investment in research and development and improvements to production capacity are absolutely vital to increase the availability of food and meet increased demand.

Rapid urbanization, particularly in developing countries, is a critical on-going trend shaping food security and nutrition that will continue in 2017 and beyond. Nearly 90 percent of the projected urban population increase is concentrated in Africa and Asia, with China, India, and Nigeria alone expected to add 900 million urban residents by 2050.

Food and Nutrition

The research uncovers many paradigm shifts in the studied market, in terms of regional competitive advantage, competitive landscape among the key players in the clinical nutrition industry and market dynamics.

The global Food and nutrition market should reach \$60.8 billion by 2022 from \$48.2 billion in 2017 at a

compound annual growth rate (CAGR) of 4.8% for the period 2017-2022.

Food Safety

Global Markets and Technologies for Food Safety Testing organizes information from diverse sources and market segments into a cohesive unit that includes summary, overview, technologies, contaminants tested, foods tested, industry structure, international aspects, patent activity and company market shares, annual revenues and profiles. Market measurements/estimates and forecasts are provided for the global market, and key market dynamics are discussed and their possible effects analysed.

The global food safety testing market reached \$10.5 billion in 2014, and should reach about \$13.6 billion in 2019 with a five year compound annual growth (CAGR) of 5.3% through 2019.

Market structure

The U.S. market for Food Microbiology and food market totalled nearly \$56.4 billion in 2014. This market is projected to approach \$61.4 billion in 2015 and \$69.4 billion by 2020, registering a compound annual growth rate (CAGR) of 2.5% through 2021. The U.S. packaged food market size was estimated at USD 806.3 billion in 2016. Changing lifestyles, increased consumption of convenience foods among the masses are some of the major factors driving the overall market.

Development drivers

The continual development, testing and improvement of instrumentation, techniques and experimental procedures for the rapid and accurate enumeration and characterization of food microbiology is a rapidly expanding area. Such advances are of great importance in food quality control applications, as well as in the analysis of clinical, industrial and

environmental samples. Some of the recently developed methods and assessment of their performance are reviewed. For example Cold-water-soluble starches are of commercial interest for use in instant foods such as puddings and microwave cooked foods, and small-crystallite starches have applications as fat substitutes. Various methods have been developed to produce a range of modified starch preparations with a variety of physical characteristics and applications. Study of such modified starches may also aid understanding of the structure of starch granules.

Market Potential

The global food safety testing market size was valued at \$13,144 million in 2017, and is estimated to reach \$23,204 million by 2025, registering a CAGR of 7.3% from 2018 to 2025. Food safety testing refers to the inspection of food products for disease-causing organisms, chemicals, and other hazardous materials. It is generally targeted at three primary food contaminants namely, pathogens, chemicals, and genetically modified organisms (GMOs).

Recycling of animal by-products, sale of goods past their use by date, inclusion of harmful ingredients, and unsafe food handling processes are some of the major food fraud activities. The consumption of contaminated food, including toxic chemicals and radioactive materials, results in foodborne illness, which may even lead to death. The implementation of stringent regulations by many leading food safety organizations, such as Food Standards Agency, European Food Safety Authority, Food Safety and Standards Authority of India, and Canadian Food Inspection Agency, to prevent ill health of consumers and food fraud is expected to drive the growth of the global food safety testing market.

In addition, rise in economically motivated adulterations (EMAs) due to high competition among food producers, and increase in instances of food debasement, such as adulterations, pesticides, artificial taste enhancers, and certifications, boost the growth of the food safety testing market. However, lack of food control infrastructure in the developing economies, complexity in testing techniques, and lack of harmonization of regulations are anticipated to hamper the growth of the market.



Food fraud is committed when food is deliberately altered for financial gains with the intention of deceiving consumers. The food standards agency (FSA) specifies two main types of food frauds namely, sale of food that is unfit and potentially harmful and deliberate misdescription of food.

Implementation of various regulations on food safety, particularly in the developed economies, drives the growth of the global food safety testing market.

Related Associations

Major Industries of Microbiology:

The report contains profiles of a wide range of companies that are active in the clinical microbiology market, which includes companies that in the traditional microbiology market, immunoassay market, molecular microbiology market, and also mass spectrometry systems for the microbiology laboratory.

The companies profiled are the following:

- 3i Diagnostics, Inc. (3iDx)
- Abbott
- Accelerate Diagnostics, Inc.
- AutoGenomics, Inc.
- Beckman Coulter, Inc. (A Danaher Corporation Company)
- Becton, Dickinson and Company (BD)
- Bio-Rad Laboratories, Inc.
- bioMérieux SA
- Bruker Corporation
- Cepheid (A Danaher Company)
- COPAN ITALIA S.p.A. and COPAN Diagnostics, Inc.
- Curetis
- ELITech Group
- GenePOC Inc.
- GenMark Diagnostics, Inc.
- Hologic, Inc.
- Janssen Diagnostics (Janssen Pharmaceutical Companies of Johnson & Johnson)
- Luminex Corporation
- Mast Group
- Q-linea AB
- QIAGEN N.V.
- QuanDx Inc.
- QuantuMDx Group
- Quidel, Inc.
- Qvella Corporation
- Rheonix, Inc.
- Roche
- Siemens Healthineers
- Thermo Fisher Scientific Inc.
- Xagenic Inc.

Major Associations of Microbiology:

- International Union of Microbiological Societies (IUMS)
- International Society for Antiviral Research (ISAR)
- Federation of European Microbiological Societies (FEMS)
- International Society of Chemotherapy Infection and Cancer (ISC)
- Italian Society of Microbiology (SIM)
- British Society for Antimicrobial Chemotherapy (BSAC)
- American Society for Microbiology (ASM)
- Society for Industrial Microbiology and Biotechnology (SIMB)
- Federation of American Societies for Experimental Biology (FASEB)
- American Association of Immunologists (AAI)
- Infectious Diseases Society of America (IDSA)
- Society for the Advancement of Biology Education Research (SABER)
- Federation of Asia-Pacific Microbiology Societies (FAPMS)
- International Union of Microbiological Societies (IUMS)
- Chinese Society for Microbiology (CSM)
- Japan Applied Microbiology Society
- Philippine Society for Microbiology (PSM)

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