

2020 Market Analysis of Bacteriology & Applied Microbiology Conference August 26-27, 2020 | Singapore City, Singapore

Anna Afinogenova

Professor and Head, Laboratory Center, Saint Petersburg State University, Saint Petersburg, Russia, E-mail: spbtestcenter@mail.ru

The propelling factors for the growth of the [microbiology](#) testing market include technological advancements in microbiology testing, rising incidences of infectious diseases and outbreak of epidemics, growing healthcare expenditure, and rising private-public funding for research on infectious diseases.

Infectious diseases, such as HIV, human papilloma virus (HPV), and hepatitis B and C, are some forms of STDs that are severe and fatal, and thus the increasing incidences of such diseases are increasing the demand for the microbiology testing market. Increasing healthcare expenditure and the presence of better medical infrastructures, such as hospitals and clinical labs, are some other drivers augmenting the growth of the microbiology testing market.

Rapid growth observed in the geriatric population, increasing number of clinical researches in the field of clinical microbiology, rising incidences of infectious diseases, and increased funding, research grants, and public-private investments are some of the factors that are driving the microbiology testing market.

Rapid technological advancements are also being witnessed across the worlds that are anticipated to drive the microbiology testing market in the upcoming years. There are emerging economies, such as India and China, which may offer new growth opportunities for the microbiology testing market over the forecast period.

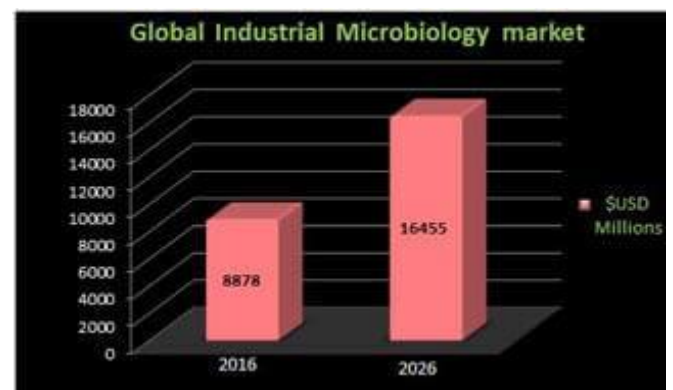
Market Analysis - Bacteriology Asia Pacific 2020

Global Market Survey:

Bacteriology & [Applied Microbiology](#) size was valued at over USD 24.3 billion in 2017 and will exceed USD 675.2 billion with 7.9% CAGR from 2017 to 2024. At Global Market Insights, It is a unique blend of primary and secondary research, with validation and iterations, in order to minimize deviation and present the most accurate analysis of the industry.

Market Research:

However, in the market, there are several conflicts observed regarding the usage of genetically modified organisms in food sources, which are expected to restrict the growth of the industrial microbiology market.



Rising demand of new technologies will drive the biotechnology industry size. we've seen tremendous growth and change in the industrial diagnostics industry, particularly in the food safety sector expertise in all aspects of the market, plus extensive experience in business management, strategy development and international business, microbiology test volumes, market values and methods used by food producers around the world, based on detailed interviews with more than 450 food production facilities in America, Europe and Asia, including Japan. Total test volumes have increased 128%, and testing for specific foodborne pathogens like Salmonella and E. coli grew at an even faster rate.

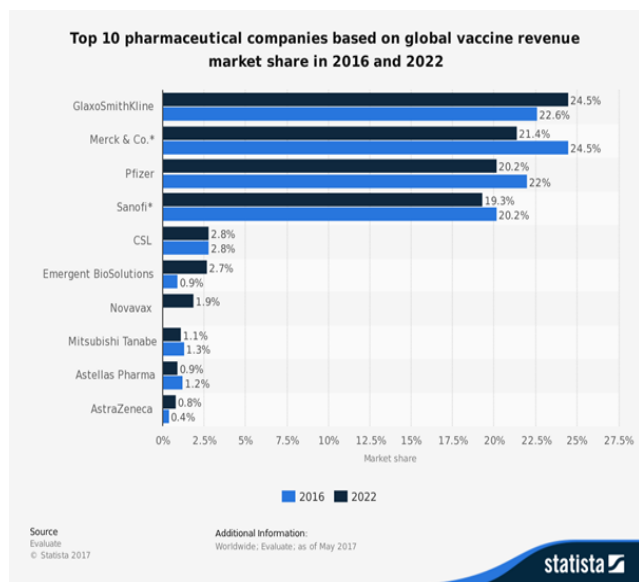
The global DNA sequencing market is projected to reach USD 85.5 Million by 2025 from USD 310.1 Million in 2017 growing at a CAGR of 8.5% during the forecast period.

The global market for Food [Microbiology](#) reached nearly \$7.1 billion in 2017. This market is expected to grow to nearly \$9.6 billion in 2017 and \$15.7 billion by 2025, with a compound annual growth rate (CAGR) of 8.1% from 2017 to 2025.

Global Nanotechnology Market was valued at \$216.2 billion in 2017 and \$448.3 billion in 2017. The total market is projected to grow at a compound annual growth rate (CAGR) of 19.3% from 2017 through 2025 and reach \$828 billion by 2025.

Product:

Based on technology, the industry is segmented into tissue engineering and regeneration, fermentation, PCR, nanotechnology, chromatography, DNA sequencing and cell based assay. In 2017, the tissue engineering and regeneration segment accounted for highest revenue and was valued at over USD 11.3 billion. However, the nanotechnology, fermentation and cell based assay segments will experience lucrative growth owing to rising R&D initiatives by various biotechnological and pharmaceutical companies.



The global Bacteriology market is valued at \$6,727.29 million in 2014 and is expected to grow at a CAGR of 13.03% between 2014 and 2019. Increasing disease burden of infectious diseases and increased funding for healthcare expenditure are the important growth drivers for this market during the forecast period. The pharmaceuticals application segment accounted for the largest share of the microbiology market in 2014, while the food application segment is expected grow at the highest CAGR between 2014 and 2019 in the global Bacteriology & [Applied Microbiology](#) market.

Scope of the Report:

As per the scope of the report, microbial testing is an analytical technique that is utilized to determine a number of microorganisms in food, beverages, biological samples, and environmental samples. The microbial testing technique employs chemical, biological, biochemical, or molecular methods to identify and quantify the microbes. It is one of the important processes carried out in medical, healthcare, and food industries for the prevention of future product damages.

Market Overview:

Several microorganisms are used in industrial microbiology, including laboratory-selected mutants, naturally occurring organisms, and genetically modified organisms (GMOs). Microbiology research and development is finding increasing application in oil and gas organizations, the food and beverage industry, and environmental testing organizations.

In addition, the traditional R&D in the biopharmaceutical industry is witnessing an upsurge, due to drug development research, which is helping in the augmentation of the industrial microbiology market.

Increased demand for nutraceuticals and other fermented products further drives the importance of industrial application of microbiology on a large scale. Such factors are helpful to drive the industrial market.

However, in the market, there are several conflicts observed regarding the usage of genetically modified organisms in food sources, which are expected to restrict the growth of the industrial microbiology market.

The worldwide Bacteriology market is esteemed at \$6,727.29 million in 2014 and is relied upon to develop at a CAGR of 13.03% in the vicinity of 2014 and 2019. Expanding sickness weight of irresistible maladies and expanded subsidizing for social insurance consumption are the essential development drivers for this market amid the conjecture time frame. The pharmaceuticals application fragment represented the biggest share of the microbiology advertise in 2014; while the nourishment application portion is normal develop at the most astounding CAGR in the vicinity of 2014 and 2019 in the worldwide microbiology showcase. The global applied microbiology market is projected to reach USD 5.77 Billion by 2021 from USD 3.35 Billion in 2016, growing at

a CAGR of 11.5% from 2016 to 2021. Market growth can be attributed to factors such as the technological

advancements; rising incidence of infectious diseases and growing outbreak of epidemics; growing healthcare expenditure across the world; and increasing funding, research grants, and public-private investments in the field of life science researches.

Emerging regions such as Asia-Pacific (including Japan, China, and India) are expected to become the new revenue-generating pockets in the market in the next five years. The Asia-Pacific market is projected to grow at the highest CAGR during the forecast period owing to the growing number of hospitals and clinical diagnostic laboratories in India and China; expanding research capabilities for the development of innovative and affordable Bacteriology & [Applied Microbiology](#) testing procedures across India, China, and Japan; and rising incidences of Bacteriological diseases.

Diagnostic Holds the Largest Revenue Share in the Applications and is expected to do same

The diagnostics segment is expected to account for the largest share of the microbiology testing market. Some of the key factors driving the growth of this segment are the increasing prevalence of infectious diseases, improving healthcare expenditure, and technological advancements.

The pharmaceutical application segment is also expected to dominate due to the presence of well-established and globally accepted regulations, which govern the evaluation of microbial contamination during pharmaceutical manufacturing and raw material sourcing processes.

Contact Person:

Skyler Woben | Event Manager
Conference series LLC