

Market Analysis on 6th Annual Congress on Applied Microbiology and Beneficial Microbes

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The **Clinical Microbiology** Laboratory has a whole array of diagnostics instruments used for serology, virus culture, and blood culture. This method is used for the detection of influenza viruses as well as a number of other diseases. Clinical microbiology testing is indispensable for identifying bacterial, fungal, and parasitic infections as well as for preventing epidemics. It also helps in the clinical management of patients. The rapid diagnostic testing market is the most sought after in the **microbiology** industry as it provides results in less than 30 minutes. Thus, a faster turnaround time (TAT) and immediate results are the major factors that will drive the microbiology market.

There has been an increase in the number of infectious diseases across the globe. The factors such as the rise in incidence of HIV and tuberculosis as well as sexually transmitted diseases in developing countries along with the rise in respiratory diseases like influenza in developed countries like Europe and America will drive the microbiology market.

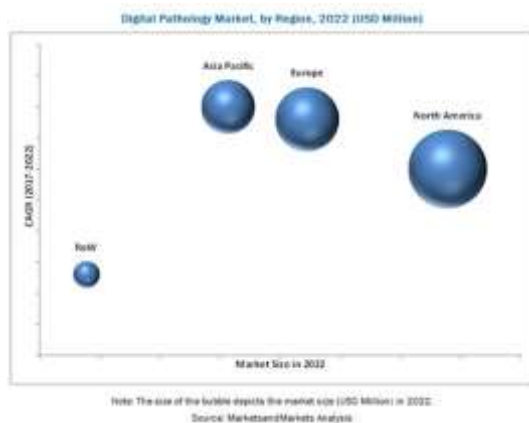


Figure 1. Digital Pathology Market.

Technological advances, like automated instruments for identification of pathogens in laboratories, have been of immense help to **microbiologists**. Automation has helped to enhance key laboratory performance attributes like consistency, quality, and a slower total turnaround time. Thus, automation is the new trend in the microbiology field. However, it will take time to pick-up as it requires extensive training of laboratory personnel. These machines are helping medical practitioners receive accurate data and determine the

precise course of treatment without spending too much time.

Similarly, factors like the consolidation of **diagnostic** laboratory chains and the increase in public awareness are driving the growth of the market. The emerging countries are expected to outperform the U.S. and European countries. This is mainly due to the increase in the major hospital chains opening new centers in major cities as well as an increase in the government expenditure.

The worldwide clinical microbiology market size was esteemed at USD 9.1 billion in 2016 and is relied upon to create at a CAGR of 6.7% over the estimate time frame. Continually rising rate of irresistible infections is driving business sector development. Irresistible ailments are basically analysed utilizing clinical tests. As indicated by the Centers for Disease Control and Prevention (CDC), around 9,421 new instances of tuberculosis, 51,455 new instances of salmonella, 33,461 new instances of Lyme malady, and 433 new instances of meningococcal infection were enlisted in U.S. in 2014.

The **Global Clinical Microbiology** Market is relied upon to reach USD 4.95 billion by 2023 from USD 3.63 billion out of 2018, developing at a CAGR of 6.4%. "Microbiology Testing/Clinical Microbiology Market by Application (Pharma, Clinical, Manufacturing, Environment), Disease (Respiratory Disease, STD, UTI), Product (Instrument, Analyzer, Reagent), End User (Hospital, Diagnolab, Academia) - Global Forecast to 2023".

The Americas commanded the largest share of 42% in the global microbiology market at \$1485.02 million in 2013, and is expected to reach \$1932.8 million by 2018, at a CAGR of 5.6% from 2013 to 2018.

The U.S. commanded the largest share of 89% in the American microbiology IVD market at \$1320.4 million in 2012, and is expected to reach \$1715.6 million by 2017, at a CAGR of 5.6% from 2013 to 2018.

Europe holds the second-largest market position. Germany commanded the largest share of 20% at \$223.7 million in 2013, and is expected to reach \$272.5 million by 2018, at a CAGR of 4.2% from 2013 to 2018.

China commanded the largest share of 53% at \$177.1 million in 2013 in the Asian microbiology market, and is

expected to reach \$334.5 million by 2018, at a CAGR of 14.2% from 2013 to 2018.

Importance and Scope

The Global microbiology market is growing due to increase in prevalence of **pathogenic diseases**, growth in discovery of mutating and adapting bacterium, and the growing need for speedy **microbiological** testing methods. In 2013, the microbiology testing market accounted for 5% in the global IVD market and contributed \$3556.7 million in 2013 to the IVD market, and is estimated to reach \$4737.2 million by 2018, at a CAGR of 6.2% from 2013 to 2019.

Microbiology is a branch of science related discipline that deals with the structure and function of microbes and the use and application of microorganisms for human benefit. Its applications include vast subject including biotechnology, enzyme technology, **medicinal microbiology**, agricultural biotechnology, bioremediation, petroleum microbiology, microbial biofilms and food microbiology. Microbiology can be also classified based on taxonomy, as bacteriology, virology, mycology, protozoology, and phycology.

Market Size Estimation

A detailed market estimation approach was followed to estimate and validate the size of the clinical microbiology market and other dependent submarkets, as mentioned above. The key players in the market were identified through secondary research, and their market shares in the respective regions were determined through primary and secondary research. Research methodology includes the study of the annual and quarterly financial reports of the top market players as well as interviews with industry experts for key insights (both quantitative and qualitative trends) on the clinical microbiology market. All percentage shares, splits, and breakdowns were determined by using secondary sources and verified through primary sources. All the possible parameters that affect the market segments covered in this research study have been accounted for, viewed in extensive detail, verified through primary research, and analyzed to get the final quantitative and qualitative data. This data was consolidated and added to detailed inputs and analysis from Markets and Markets and presented in this report. The research methodology used to estimate the market size includes the following:

- The key players in the industry and markets have been identified through extensive secondary research.

- The industry's supply chain and market size, in terms of value, have been determined through primary and secondary research processes.
- All percentage shares, splits, and breakdowns have been determined using secondary sources and verified through primary sources.

Data Triangulation

After arriving at the overall market size of the clinical microbiology industry from the market estimation approach explained above, the global market was split into several segments and sub-segments. To complete the overall market engineering process and to arrive at the exact market value data, data triangulation and market breakdown methodology methods were employed, wherever applicable. The data was triangulated by studying various factors and trends from both the demand and supply side analysis.

Target Audience:

- Residents
- Physicians, Surgeons, and Interventional Radiologists
- Medical Technologists
- Researchers in Clinical Cytology
- Software development companies
- Research Institutes and members
- Supply Chain companies
- Manufacturing Companies
- CRO and DATA management Companies
- Training Institutes
- Microbiologist
- Interns
- Business Entrepreneurs
- Directors, CEO's of Organizations
- Business Development Managers
- Chief Scientific Officers
- R&D Researchers from Pharma Industries
- Professors, Associate Professors, Assistant Professors
- PhD Scholars
- Patent Attorneys

- Investment Analysts
- Association, Association presidents and professionals
- Noble laureates in Health Care and Medicine

Related Companies/Industries:

- A Menarini Asia-Pacific Holdings Pte Ltd,
- Ab Sciex (Distribution)
- Abbott Laboratories (S) Pte Ltd,
- Abbott Mfg Singapore Pte Ltd,
- Abbvie Pte Ltd,
- Acyx Enterprise
- Advance Healthcare Pte Ltd,
- Advanced Medi Mart,
- Agila Specialties Global Pte Ltd,
- Alcon Singapore Mfg Pte Ltd,
- Allergen Singapore Pte Ltd,
- Apd Pharmaceutical Mfg Pte Ltd,
- Apex Pharma Marketing Pte Ltd,
- Apotheca Marketing Pte Ltd,
- Aslant Pharmaceuticals Pte Ltd,
- Astonix Life Science (S) Pte Ltd,
- Astrazeneca Singapore Pte Ltd,
- Atlantic Pharmaceutical (S) Pte Ltd,
- Aurum Medicare Pte Ltd,
- Aventis Pharma Mfg Pte Ltd,
- Bago Laboratories Pte Ltd,
- Beacons Pharmaceuticals Pte Ltd,
- Beecham Pharmaceuticals (Pte) Ltd,

Related Associations and Societies:

- American Society for Clinical Pathology
- American Society of Hematology
- California Society of Pathologists
- Los Angeles Society of Pathologists
- European Society of Pathology
- The Japanese Society of Pathology
- American Society for Microbiology

Regards,

Peterdev | Program Manager
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