

18th International Conference on Histopathology and Cytopathology, August 26-27, 2020 Kyoto, Japan

Jia Chi Wang

Department of Cytogenetics Nichols Institute, Quest Diagnostics 33608 Ortega Highway, San Juan Capistrano, CA 92690, E-mail: jia-chi.j.wang@questdiagnostics.com

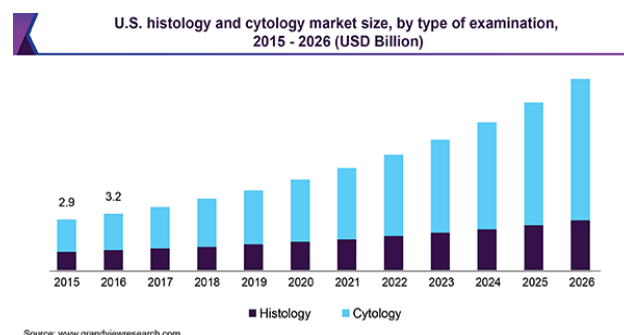
Histopathology refers to the microscopic examination of tissues and cells. It is likely performed by examining cells and tissues under a light microscope or electron microscope, which has been sectioned, stained on a microscope slide, since accurate diagnosis of cancer and other diseases usually requires histopathological examination of samples. Histopathological examination of tissues starts with surgery, biopsy, or autopsy. The tissue is removed from the body of an organism and then placed in a fixative that stabilizes the tissues to prevent decay. The most common fixative is formalin, although frozen section of fixing is also common.

Market analysis

High prevalence of cancer and continuous research and development are expected to be the key factors driving the growth. The world histology and cytology market size was valued at USD11.0 billion in 2018 and is estimated to expand at a CAGR of around 13.7% over the forecast period. Technological advancements and investments in innovation are projected to further fuel the expansion.

According to the World Health Organisation (WHO), cancer was the second leading cause of death across the globe and was responsible for 8.8 million deaths in 2015. Hence, the high incidence of cancer due to changing lifestyle and change in environment are likely to drive the market during the forecast period.

Furthermore, growing awareness about the screening of cancer and technological advancements in the cell and tissue studies are likely to boost the demand in near future. The requirement of companion diagnostic for targeted drugs is likely to drive the demand for cytopathology and histopathology products in the forthcoming years.



Continuous R&D efforts by major players widen the scope of application for diagnosis of various diseases. This factor is likely to drive the market. Presently, the tests are majorly used for the screening of cervical and breast cancer. However, adoption of these tests for the screening of bladder and lung cancer is growing at rapid rate.

Histology and cytology market share analysis:

The global market is highly competitive in nature. Development of sensitive and specific products and targeted commercialization activities by merges or collaborations are the key parameters to remain competitive and to gain greater market share. For instance, in April 2017 Roche CINTec Histology test received the Food and Drug Administration (FDA) approval and is expected to improve consistency in the diagnosis of cervical-pre cancers.

This report forecast revenue growth at global, regional, and country levels and provides an analysis of the latest industry trends in each of the sub-segments from 2015-2026. For the purpose of this study, Grand View Research has segmented the global histology and cytology market analysis based on type of examination and region.

Type of Examination Outlook (Revenue, USD Million, 2015 - 2026)

- Cytology
- Cervical Cancer

-
- Breast Cancer
 - Other Cancers