

Histology And Cytology Market Size, Share & Trends Analysis Report By Type Of Examination (Histology, Cytology), By Product, By Application, By Region, And Segment Forecasts, 2021 - 2028

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Abstracts

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Histology And Cytology Market Growth & Trends

The global histology and cytology market size is expected to reach USD 37.10 billion by 2028, according to a new report by Grand View Research, Inc. It is expected to expand at a CAGR of 14.74% from 2021 to 2028. The factors contributing to the market growth include an increase in the demand for the early detection of diseases, increased standardization of pathology laboratories, and implementation of immunohistochemistry and innovation in microscopy.

In addition, organizations are collaborating for the standardization of cytopathology across the world, which is driving the market. For instance, in May 2020, the International Agency for Research on Cancer (IARC) entered in collaboration with the International Academy of Cytology (IAC) for publishing a series of cytopathology reporting systems for presenting an international approach that can be used for cytopathology of different body sites. The two organizations are engaged in the expansion and development of internationally recognized diagnostic reports for cancer and other precancerous disorders worldwide.

Moreover, companies are launching new and automated instruments for cytology, which is further contributing to the market growth. For instance, in January 2021, F. Hoffmann-La Roche Ltd. launched uPath HER2 Dual ISH image analysis and uPath HER2 (4B5)

image analysis—two automated digital pathology algorithms for breast cancer. These two solutions offer rapid and accurate patient diagnoses in breast cancer.

COVID-19 has become a catalyst for changing traditional pathology workflows with the integration of artificial intelligence (AI) and digitalization solutions. During the pandemic, these tools have helped and continue to assist in remote reviewing of pathological cases, hence preventing the delay in patient care. Companies have reported the increasing adoption of digital pathology solutions post-COVID-19.

Histology And Cytology Market Report Highlights

Based on type of examination, cytology accounted for the largest revenue share in 2020 and is expected to maintain its lead in the forecast period owing to the integration of computational analytical tools for advancing cytology systems. Histology is expected to witness gradual growth from 2021 to 2028 owing to moderate innovation in histological systems

In the cytology segment, by application, the other cancers segment held the largest share in 2020 owing to the increasing diagnosis of various cancers such as pancreatic cancer and bile duct cancer with histopathology and cytopathology. The cervical cancer segment is expected to witness the fastest growth over the forecast period. Institutes are integrating computer algorithms for improving the accuracy and efficiency of cervical cancer screening

The breast cancer segment held the second-largest share in 2020 owing to the increasing incidence and mortality rates across the globe. This has resulted in the increasing need for the early diagnosis of breast cancer, in turn, driving the segment

By product, the consumable and reagents segment dominated the market in 2020 owing to the expanding portfolios of the entities operating in the consumable market space. Instruments and analysis software system is expected to expand at a substantial CAGR from 2021 to 2028 owing to the steep increase in the demand for automated histology instruments

In terms of application, the drug discovery and designing segment accounted for the largest revenue share in 2020 owing to the growing importance of cytopathology in disease understanding, further aimed at rapid drug development

North America dominated the market in 2020 owing to the prevalence of cancer, the presence of key players, and developed healthcare infrastructure

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