

Histology and Cytology Market to Hit \$22.2 Billion by 2032 | CAGR of 11.9%

PORTLAND, HI, UNITED STATES, June 30, 2025 /EINPresswire.com/ -- According to the report, the global [histology and cytology market](#) generated \$7.2 billion in 2022, and is anticipated to generate \$22.2 billion by 2032, witnessing a CAGR of 11.9% from 2023 to 2032. Histology and cytology, integral branches of pathology, involve the examination of tissues and cells, respectively, for disease diagnosis and a comprehensive understanding of their underlying mechanisms. The market for these disciplines encompasses a broad spectrum of products and services, including instruments, consumables, and software utilized in histopathology and cytopathology laboratories.

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The rise in the prevalence of chronic diseases such as cancer and the improving healthcare infrastructure is expected to drive the growth of the histology and cytology market. In addition, surge in awareness among healthcare professionals and patients plays a crucial role in driving the demand for histological and cytological examinations.

Recession Impact:

During economic downturns, governments and healthcare organizations often encounter budget limitations, leading to reduced healthcare spending. This impacts funding for medical research, including studies in histology and cytology, and results in delayed integration of advanced technologies.

The recession prompts individuals to decrease discretionary spending, affecting their ability to afford regular health check-ups and screening procedures. Consequently, there is a decrease in the number of histological and cytological examinations conducted.

Healthcare institutions postpone or reduce capital expenditures during recessions, affecting the acquisition of new histology and cytology equipment and slowing the adoption of advanced technologies in laboratories.

Both public and private sources experience a decline in research funding during economic downturns. This decrease in funding could impede histology and cytology research projects,

potentially delaying the development of innovative diagnostic tools and methodologies.

The histology and cytology market is expected to witness notable growth owing to rising prevalence of chronic diseases, growing pharmaceutical industry in developing region, and improving healthcare infrastructure. Moreover, technological advancement in histological and cytological analysis technology is expected to provide lucrative opportunity for the growth of the market during the forecast period. On the contrary, high cost of histological and cytological analytical instruments limits the growth of the market.

Segments Overview:

By Type of Examination

The cytology segment held the largest share in 2022, accounting for more than two-thirds of the histology and cytology market revenue and is estimated to be the fastest growing segment during the forecast period. This growth is attributed to the high adoption of the cytological techniques in the disease diagnosis. Cytology plays a crucial role in early detection and diagnosis of various cancers, such as cervical, breast, and lung cancers.

By Product

The consumables and reagents segment held the largest share in 2022, accounting for almost three-fifths of the histology and cytology market revenue. This growth is attributed to the fact that the consumables and reagents are used in almost every histological and cytological procedures. The reagents such as staining agents play a crucial role in improving the visibility of the cell organs. However, instruments and analysis software system segment are expected to register the highest CAGR during the forecast period, owing to technological advancements in the histological and cytological instruments and growing trends toward laboratory automation.

By Test Type

The microscopy methods segment accounted for the largest share in 2022, accounting for almost three-fifths of the histology and cytology market revenue. This is attributed to the fact that microscopic method of analysis is cost efficient and thus is adopted by large number of medium and small-scale diagnostic laboratory. However, flow cytometry segment is expected to register highest CAGR during the forecast period owing to high adoption of flow cytometry instrument by pharmaceutical and biotechnology companies.

By Application

The drug discovery and designing segment accounted for the largest share in 2022, accounting for more than half of the histology and cytology market revenue. This is attributed to the histological and cytological analysis being the crucial evaluation parameter of new drug

development. However, academic research segment is expected to register the highest CAGR during the forecast period owing to rise in research and development in the field of cytology and histology and surge in number of students choosing histology or cytology as their educational programs and career.

By End User

The pharma and biotech companies segment accounted for the largest share in 2022, accounting for more than one-third of the histology and cytology market revenue owing to high adoption of histological and cytological testing in preclinical trials of new drug. However, CDMO segment is expected to register highest CAGR during the forecast period owing to growing trend of outsourcing the research and development activities in the pharmaceutical sector.

By region

North America held the largest market share in terms of revenue in 2022, accounting for nearly two-fifths of the global histology and cytology market revenue and is likely to dominate the market during the forecast period.

However, Asia-Pacific is projected to register the fastest growth during the forecast period, owing to increase in prevalence of chronic diseases, including cancer, cardiovascular diseases, and others. This prevalence creates a sustained demand for histology and cytology instruments for diagnosis and research purposes, which further drives the market growth in the region.

For Procurement Information - <https://www.alliedmarketresearch.com/purchase-enquiry/A15397>

Leading Market Players

Hologic, Inc.
F. Hoffmann-La Roche Ltd.
Abbott Laboratories
Becton, Dickinson and Company
Danaher Corporation
Merck KGaA
Thermo Fisher Scientific, Inc.
Sysmex Corporation
Trivitron Healthcare Private Limited
Koninklijke Philips N.V.

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