

Histology and Cytology Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, 2018-2028 Segmented By Type of Examination (Histology, Cytology), By Product (Instruments and Analysis Software System, Consumable and Reagents), By Application (Drug Discovery & Designing, Clinical Diagnostics, Research), By Region, By Competition

<https://marketpublishers.com/r/HB6F158AEADAEN.html>

Date: October 2023

Pages: 180

Price: US\$ 4,900.00 (Single User License)

ID: HB6F158AEADAEN

Abstracts

The Global Histology and Cytology Market reached a valuation of USD 15.74 billion in 2022 and is expected to experience robust growth with a Compound Annual Growth Rate (CAGR) of 14.67% and expected to reach USD 31.16 Billion by 2028. Cytology and histology are branches of life science that focus on the structure, function, and understanding of cells, tissues, and their microscopic anatomy in living organisms. These fields contribute to the comprehension of animal and plant tissues and cells, particularly at the microscopic level, aiding in various applications.

Key Market Drivers

Increase in Cancer Prevalence

The rising prevalence of cancer significantly impacts the growth of the Global Histology and Cytology Market. Histology and cytology play a crucial role in diagnosing cancer and understanding various diseases at the cellular level. With the increasing number of cancer cases, the demand for accurate diagnostic techniques becomes vital. These techniques assist in diagnosing different types of cancers by examining tissue samples and cells under a microscope. As cancer screening and diagnostics increase, the demand for histology and cytology services and equipment also rises.

Growing Research and Development Activities

Research and development (R&D) efforts drive innovation in histology and cytology, enhancing the accuracy and reliability of diagnostic and research processes. Advanced imaging techniques, automation solutions, and digital pathology systems developed through R&D contribute to the market growth by offering improved diagnostic capabilities. R&D activities focus on improving diagnostic accuracy and developing new staining methods, molecular markers, and imaging technologies, which lead to more accurate diagnoses and drive demand for these services.

Focus on Personalized Medicine

The demand for histology and cytology services increases in the context of personalized medicine, which relies on molecular diagnostics to analyze genetic and molecular information. These techniques aid in identifying specific genetic mutations and alterations, guiding treatment decisions and contributing to market growth. Histology and cytology provide essential information for tailoring treatment strategies based on a patient's unique disease characteristics, driving demand for these techniques.

Key Market Challenges

Technological Complexity and Costs

Advanced histology and cytology technologies often require significant investments in equipment, software, and training, which can pose barriers for institutions with limited resources. Maintenance costs and integration challenges with existing systems can also hinder technology adoption.

Laboratory Workforce Shortages

A shortage of skilled laboratory professionals can lead to delays in diagnosing and reporting test results, impacting patient care and innovation. Workforce shortages can limit the capacity for research, development, and the adoption of new technologies.

Key Market Trends

Liquid Biopsies and Circulating Biomarkers

The emergence of liquid biopsies, which analyze biomarkers in bodily fluids, contributes to the demand for histology and cytology services. These biopsies enable early disease detection and require validation through traditional histological and cytological methods.

Multi-Omics Approaches

Multi-omics approaches that study diseases at multiple levels simultaneously enhance the demand for histology and cytology. These techniques provide comprehensive insights into disease mechanisms, and histology and cytology validate findings from multi-omics data.

Segmental Insights

Type of Examination

The cytology segment is expected to witness substantial growth due to its role in early disease detection. Techniques like Pap smears and fine-needle aspirations aid in identifying abnormal cellular changes, leading to timely interventions and improved patient outcomes.

Application

The Drug Discovery & Designing segment dominates the market as histology and cytology are crucial for validating drug targets, assessing drug safety, and enabling personalized medicine. These techniques provide insights into molecular interactions and tissue-specific effects.

Regional Insights

North America leads the market due to its advanced healthcare systems, research institutions, and regulatory framework. The concentration of research efforts and a clear regulatory environment encourage innovation and technology adoption, driving market growth.

Key Market Players

Hologic, Inc.

F Hoffmann-La Roche AG.

Abbott Laboratories Inc.

Becton Dickinson & Co.

Danaher Corporation.

Merck KGaA.

Thermo Fisher Scientific, Inc.

Sysmex Corporation.

Trivitron Healthcare.

Koninklijke Philips N.V.

Report Scope:

In this report, the Global Histology and Cytology Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Histology and Cytology Market, By Type of Examination:

Histology

Cytology

Histology and Cytology Market, By Product:

Instruments and Analysis Software System

Consumable and Reagents

Histology and Cytology Market, By Application:

Drug Discovery & Designing

Clinical Diagnostics

Research

Histology and Cytology Market, By Region:

North America

United States

Canada

Mexico

Europe

France

United Kingdom

Italy

Germany

Spain

Asia-Pacific

China

India

Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Kuwait

Turkey

Egypt

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Histology and Cytology Market.

Available Customizations:

Global Histology and Cytology market report with the given market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

Contents

1. PRODUCT OVERVIEW

- 1.1. Market Definition
- 1.2. Scope of the Market
 - 1.2.1. Markets Covered
 - 1.2.2. Years Considered for Study
 - 1.2.3. Key Market Segmentations

2. RESEARCH METHODOLOGY

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Key Industry Partners
- 2.4. Major Association and Secondary Sources
- 2.5. Forecasting Methodology
- 2.6. Data Triangulation & Validation
- 2.7. Assumptions and Limitations

3. EXECUTIVE SUMMARY

- 3.1. Overview of the Market
- 3.2. Overview of Key Market Segmentations
- 3.3. Overview of Key Market Players
- 3.4. Overview of Key Regions/Countries
- 3.5. Overview of Market Drivers, Challenges, Trends

4. VOICE OF CUSTOMER

5. GLOBAL HISTOLOGY AND CYTOLOGY MARKET OUTLOOK

- 5.1. Market Size & Forecast
 - 5.1.1. By Value
- 5.2. Market Share & Forecast
 - 5.2.1. By Type Of Examination (Histology, Cytology)
 - 5.2.2. By Product (Instruments and Analysis Software System, Consumable and Reagents)

- 5.2.3. By Application (Drug Discovery & Designing, Clinical Diagnostics, Research)
- 5.2.4. By Region (North America, Europe, Asia Pacific, South America, Middle East & Africa)
- 5.2.5. By Company (2022)
- 5.3. Market Map
 - 5.3.1 By Type of Examination
 - 5.3.2 By Product
 - 5.3.3 By Application
 - 5.3.4 By Region

6. NORTH AMERICA HISTOLOGY AND CYTOLOGY MARKET OUTLOOK

- 6.1. Market Size & Forecast
 - 6.1.1. By Value
- 6.2. Market Share & Forecast
 - 6.2.1. By Type Of Examination (Histology, Cytology)
 - 6.2.2. By Product (Instruments and Analysis Software System, Consumable and Reagents)
 - 6.2.3. By Application (Drug Discovery & Designing, Clinical Diagnostics, Research)
 - 6.2.4. By Country
- 6.3. North America: Country Analysis
 - 6.3.1. United States Histology and Cytology Market Outlook
 - 6.3.1.1. Market Size & Forecast
 - 6.3.1.1.1. By Value
 - 6.3.1.2. Market Share & Forecast
 - 6.3.1.2.1. By Type of Examination
 - 6.3.1.2.2. By Product
 - 6.3.1.2.3. By Application
 - 6.3.2. Canada Histology and Cytology Market Outlook
 - 6.3.2.1. Market Size & Forecast
 - 6.3.2.1.1. By Value
 - 6.3.2.2. Market Share & Forecast
 - 6.3.2.2.1. By Type of Examination
 - 6.3.2.2.2. By Product
 - 6.3.2.2.3. By Application
 - 6.3.3. Mexico Histology and Cytology Market Outlook
 - 6.3.3.1. Market Size & Forecast
 - 6.3.3.1.1. By Value
 - 6.3.3.2. Market Share & Forecast

- 6.3.3.2.1. By Type of Examination
- 6.3.3.2.2. By Product
- 6.3.3.2.3. By Application

7. EUROPE HISTOLOGY AND CYTOLOGY MARKET OUTLOOK

7.1. Market Size & Forecast

- 7.1.1. By Value

7.2. Market Share & Forecast

- 7.2.1. By Type Of Examination (Histology, Cytology)
- 7.2.2. By Product (Instruments and Analysis Software System, Consumable and Reagents)
- 7.2.3. By Application (Drug Discovery & Designing, Clinical Diagnostics, Research)
- 7.2.4. By Country

7.3. Europe: Country Analysis

7.3.1. France Histology and Cytology Market Outlook

7.3.1.1. Market Size & Forecast

- 7.3.1.1.1. By Value

7.3.1.2. Market Share & Forecast

- 7.3.1.2.1. By Type of Examination
- 7.3.1.2.2. By Product
- 7.3.1.2.3. By Application

7.3.2. Germany Histology and Cytology Market Outlook

7.3.2.1. Market Size & Forecast

- 7.3.2.1.1. By Value

7.3.2.2. Market Share & Forecast

- 7.3.2.2.1. By Type of Examination
- 7.3.2.2.2. By Product
- 7.3.2.2.3. By Application

7.3.3. United Kingdom Histology and Cytology Market Outlook

7.3.3.1. Market Size & Forecast

- 7.3.3.1.1. By Value

7.3.3.2. Market Share & Forecast

- 7.3.3.2.1. By Type of Examination
- 7.3.3.2.2. By Product
- 7.3.3.2.3. By Application

7.3.4. Italy Histology and Cytology Market Outlook

7.3.4.1. Market Size & Forecast

- 7.3.4.1.1. By Value

- 7.3.4.2. Market Share & Forecast
 - 7.3.4.2.1. By Type of Examination
 - 7.3.4.2.2. By Product
 - 7.3.4.2.3. By Application
- 7.3.5. Spain Histology and Cytology Market Outlook
 - 7.3.5.1. Market Size & Forecast
 - 7.3.5.1.1. By Value
 - 7.3.5.2. Market Share & Forecast
 - 7.3.5.2.1. By Type of Examination
 - 7.3.5.2.2. By Product
 - 7.3.5.2.3. By Application

8. ASIA-PACIFIC HISTOLOGY AND CYTOLOGY MARKET OUTLOOK

- 8.1. Market Size & Forecast
 - 8.1.1. By Value
- 8.2. Market Share & Forecast
 - 8.2.1. By Type Of Examination (Histology, Cytology)
 - 8.2.2. By Product (Instruments and Analysis Software System, Consumable and Reagents)
 - 8.2.3. By Application (Drug Discovery & Designing, Clinical Diagnostics, Research)
 - 8.2.4. By Country
- 8.3. Asia-Pacific: Country Analysis
 - 8.3.1. China Histology and Cytology Market Outlook
 - 8.3.1.1. Market Size & Forecast
 - 8.3.1.1.1. By Value
 - 8.3.1.2. Market Share & Forecast
 - 8.3.1.2.1. By Type of Examination
 - 8.3.1.2.2. By Product
 - 8.3.1.2.3. By Application
 - 8.3.2. India Histology and Cytology Market Outlook
 - 8.3.2.1. Market Size & Forecast
 - 8.3.2.1.1. By Value
 - 8.3.2.2. Market Share & Forecast
 - 8.3.2.2.1. By Type of Examination
 - 8.3.2.2.2. By Product
 - 8.3.2.2.3. By Application
 - 8.3.3. Japan Histology and Cytology Market Outlook
 - 8.3.3.1. Market Size & Forecast

- 8.3.3.1.1. By Value
- 8.3.3.2. Market Share & Forecast
 - 8.3.3.2.1. By Type of Examination
 - 8.3.3.2.2. By Product
 - 8.3.3.2.3. By Application
- 8.3.4. South Korea Histology and Cytology Market Outlook
 - 8.3.4.1. Market Size & Forecast
 - 8.3.4.1.1. By Value
 - 8.3.4.2. Market Share & Forecast
 - 8.3.4.2.1. By Type of Examination
 - 8.3.4.2.2. By Product
 - 8.3.4.2.3. By Application
- 8.3.5. Australia Histology and Cytology Market Outlook
 - 8.3.5.1. Market Size & Forecast
 - 8.3.5.1.1. By Value
 - 8.3.5.2. Market Share & Forecast
 - 8.3.5.2.1. By Type of Examination
 - 8.3.5.2.2. By Product
 - 8.3.5.2.3. By Application

9. SOUTH AMERICA HISTOLOGY AND CYTOLOGY MARKET OUTLOOK

- 9.1. Market Size & Forecast
 - 9.1.1. By Value
- 9.2. Market Share & Forecast
 - 9.2.1. By Type Of Examination (Histology, Cytology)
 - 9.2.2. By Product (Instruments and Analysis Software System, Consumable and Reagents)
 - 9.2.3. By Application (Drug Discovery & Designing, Clinical Diagnostics, Research)
 - 9.2.4. By Country
- 9.3. South America: Country Analysis
 - 9.3.1. Brazil Histology and Cytology Market Outlook
 - 9.3.1.1. Market Size & Forecast
 - 9.3.1.1.1. By Value
 - 9.3.1.2. Market Share & Forecast
 - 9.3.1.2.1. By Type of Examination
 - 9.3.1.2.2. By Product
 - 9.3.1.2.3. By Application
 - 9.3.2. Argentina Histology and Cytology Market Outlook

- 9.3.2.1. Market Size & Forecast
 - 9.3.2.1.1. By Value
- 9.3.2.2. Market Share & Forecast
 - 9.3.2.2.1. By Type of Examination
 - 9.3.2.2.2. By Product
 - 9.3.2.2.3. By Application
- 9.3.3. Colombia Histology and Cytology Market Outlook
 - 9.3.3.1. Market Size & Forecast
 - 9.3.3.1.1. By Value
 - 9.3.3.2. Market Share & Forecast
 - 9.3.3.2.1. By Type of Examination
 - 9.3.3.2.2. By Product
 - 9.3.3.2.3. By Application

10. MIDDLE EAST AND AFRICA HISTOLOGY AND CYTOLOGY MARKET OUTLOOK

- 10.1. Market Size & Forecast
 - 10.1.1. By Value
- 10.2. Market Share & Forecast
 - 10.2.1. By Type Of Examination (Histology, Cytology)
 - 10.2.2. By Product (Instruments and Analysis Software System, Consumable and Reagents)
 - 10.2.3. By Application (Drug Discovery & Designing, Clinical Diagnostics, Research)
 - 10.2.4. By Country
- 10.3. MEA: Country Analysis
 - 10.3.1. South Africa Histology and Cytology Market Outlook
 - 10.3.1.1. Market Size & Forecast
 - 10.3.1.1.1. By Value
 - 10.3.1.2. Market Share & Forecast
 - 10.3.1.2.1. By Type of Examination
 - 10.3.1.2.2. By Product
 - 10.3.1.2.3. By Application
 - 10.3.2. Saudi Arabia Histology and Cytology Market Outlook
 - 10.3.2.1. Market Size & Forecast
 - 10.3.2.1.1. By Value
 - 10.3.2.2. Market Share & Forecast
 - 10.3.2.2.1. By Drug Type
 - 10.3.2.2.2. By Type of Examination

- 10.3.2.2.3. By Product
- 10.3.2.2.4. By Application
- 10.3.3. UAE Histology and Cytology Market Outlook
 - 10.3.3.1. Market Size & Forecast
 - 10.3.3.1.1. By Value
 - 10.3.3.2. Market Share & Forecast
 - 10.3.3.2.1. By Type of Examination
 - 10.3.3.2.2. By Product
 - 10.3.3.2.3. By Application

11. MARKET DYNAMICS

- 11.1. Drivers
- 11.2. Challenges

12. MARKET TRENDS & DEVELOPMENTS

- 12.1. Recent Development
- 12.2. Mergers & Acquisitions
- 12.3. Product Launches

13. GLOBAL HISTOLOGY AND CYTOLOGY MARKET: SWOT ANALYSIS

14. PORTER'S FIVE FORCES ANALYSIS

- 14.1. Competition in the Industry
- 14.2. Potential of New Entrants
- 14.3. Power of Suppliers
- 14.4. Power of Customers
- 14.5. Threat of Substitute Products

15. COMPETITIVE LANDSCAPE

- 15.1. Business Overview
- 15.2. Product Offerings
- 15.3. Recent Developments
- 15.4. Financials (As Reported)
- 15.5. Key Personnel

15.6. SWOT Analysis

15.6.1 Hologic, Inc.

15.6.2 F Hoffmann-La Roche AG.

15.6.3 Abbott Laboratories Inc.

15.6.4 Becton Dickinson & Co.

15.6.5 Danaher Corporation.

15.6.6 Merck KGaA.

15.6.7 Thermo Fisher Scientific, Inc.

15.6.8 Sysmex Corporation.

15.6.9 Trivitron Healthcare.

15.6.10 Koninklijke Philips N.V.

16. STRATEGIC RECOMMENDATIONS

I would like to order

Product name: Histology and Cytology Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, 2018-2028 Segmented By Type of Examination (Histology, Cytology), By Product (Instruments and Analysis Software System, Consumable and Reagents), By Application (Drug Discovery & Designing, Clinical Diagnostics, Research), By Region, By Competition

Product link: <https://marketpublishers.com/r/HB6F158AEADAEN.html>

Price: US\$ 4,900.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/HB6F158AEADAEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970