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Digital Pathology Market Propels Growth to US$ 24,961.8 Million by 2033: FMI Study

United States pioneers Digital Pathology Market, fueling drug discovery and medical research with cutting-edge technology.

NEWARK, DELAWARE, UNITED STATES OF AMERICA, November 30, 2023 /EINPresswire.com/ -- Fueled by a move towards personalised treatment, the worldwide digital pathology market is projected to reach a worth of US$ 7,035.8 million in 2023. As a result of the tendency, the market is anticipated to see new opportunities and grow at a projected 13.5% CAGR between 2023 and 2033, reaching a total worth of about US$ 24,961.8 million by that year.

FMI Logo

A major factor contributing to the market's growth is the integration of AI and deep learning algorithms with digital pathology systems, which can automate image analysis, enhance diagnostic accuracy, and provide predictive insights, making pathology practices more efficient and precise.

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Digital pathology facilitates the creation of virtual tumor boards, where multidisciplinary healthcare professionals can collaborate on complex cases, improving treatment planning and outcomes. Research institutions and biotechnology companies increasingly use digital pathology for preclinical and clinical research, contributing to the market's growth.

Developing industry standards and ensuring interoperability between different digital pathology solutions can drive adoption by reducing compatibility issues and increasing ease of use. Giving patients access to their pathology reports and images through secure online portals can enhance patient engagement and understanding of their health conditions.

Implementing blockchain technology can enhance the security and integrity of digital pathology data, addressing data privacy and tampering concerns. Collaborations between international health organizations and governments to improve healthcare infrastructure and access to pathology services in low-resource regions can open up new markets for digital pathology solutions.

Key Takeaways:

The global digital pathology market was valued at US$ 6,199.0 million by 2022-end.

From 2018 to 2022, the market demand expanded at a CAGR of 10.6%.

The market in India is expected to expand at a CAGR of 13.4% through 2033.

By end-user, the pharmaceutical and biotechnology companies segment to expand at a CAGR of 13.2% through 2033.

From 2023 to 2033, digital pathology market is expected to flourish at a CAGR of 13.5%.

By 2033, the market value of digital pathology is expected to reach US$ 24,961.8 million.

"Beyond traditional histopathology, digital pathology is finding applications in fields like dermatopathology, veterinary pathology, and oral pathology, broadening its market scope", opines Sabyasachi Ghosh Associate Vice President at Future Market Insights (FMI).

Digital Pathology Market Recent Developments

In 2023, Philips Healthcare announced the launch of its new digital pathology solution, the Philips IntelliSite Pathology Solution. The Philips IntelliSite Pathology Solution is a comprehensive digital pathology solution that offers a wide range of features, including whole slide imaging, image analysis, and telepathology.

In 2022, PerkinElmer announced the launch of its new digital pathology software, the PerkinElmer Pathology Informatics Platform. The PerkinElmer Pathology Informatics Platform is a cloud-based digital pathology platform that offers a wide range of features, including whole slide imaging, image analysis, and telepathology.

Key Players:

Danaher Corporation
F. Hoffmann-La Roche AG
Huron Technologies International Inc.
Koninklijke Philips N.V.
Olympus Corporation
Hamamatsu Photonics K.K.
Carl Zeiss AG
Nikon Corporation
3DHISTECH Ltd.
Hologic Inc.

PerkinElmer, Inc.
Visiopharm
OptraSCAN, Inc.
Inspirata, Inc.
Sectra AB

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Key Segmentation:

By Product Type:

Digital Pathology Equipment

Whole Slide Scanners
Brightfield Slide Scanners
Fluorescence Slide Scanners
Combination Slide Scanners
Clinical Microscope
Tissue Microarrays

Digital Pathology Software
Image Viewing and Analysis Software
On-premise
Cloud-based

Digital Pathology Information Systems
On-premise
Cloud-based

Digital Pathology Services
Installation and Integration Services
Consulting Services
Maintenance and Validation Services

By Application:

Clinical Pathology
Molecular Diagnostics
Basic & Applied Research
Drug Development
Others

By End User:

Hospitals
Diagnostic Laboratories
Pharmaceutical & Biotechnology Companies
Forensic Laboratories
Research Institutes
Contract Research Organizations (CROs)
Clinics

By Region:

North America
Latin America
Western Europe
Eastern Europe
South Asia & Pacific
East Asia
The Middle East & Africa

Authored By:

Sabyasachi Ghosh (Associate Vice President at Future Market Insights, Inc.) holds over 12 years of experience in the Healthcare, Medical Devices, and Pharmaceutical industries. His curious and analytical nature helped him shape his career as a researcher.

Identifying key challenges faced by clients and devising robust, hypothesis-based solutions to empower them with strategic decision-making capabilities come naturally to him. His primary expertise lies in Market Entry and Expansion Strategy, Feasibility Studies, Competitive Intelligence, and Strategic Transformation.

Holding a degree in Microbiology, Sabyasachi has authored numerous publications and has been cited in journals, including The Journal of mHealth, ITN Online, and Spinal Surgery News.

Explore Future Market Insights, Inc. Extensive Coverage in Healthcare Market Domain:

Cellular Pathology Market Analysis: The global market was valued at US$ 32.7 Billion in 2022 and is expected to reach US$ 78.3 Billion by 2033.

Anatomic Pathology Market Sales: The global market size reached a valuation of US$ 32.5 Million in 2022 and is likely to grow at a robust CAGR of 8.2% between 2022 and 2030, surpassing US$ 61.1 Million by the end of 2030.

About Future Market Insights (FMI):

Future Market Insights, Inc. (ESOMAR certified, recipient of the Stevie Award, and a member of the Greater New York Chamber of Commerce) offers profound insights into the driving factors that are boosting demand in the market. FMI stands as the leading global provider of market intelligence, advisory services, consulting, and events for the Packaging, Food and Beverage, Consumer Technology, Healthcare, Industrial, and Chemicals markets. With a vast team of over 5000 analysts worldwide, FMI provides global, regional, and local expertise on diverse domains and industry trends across more than 110 countries.

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