

U.S. Anatomic Pathology Market Size, Share & Trends Analysis Report By Product & Services (Instruments, Consumables, Services), By Application (Disease Diagnosis, Drug Discovery & Development), By End Use, And Segment Forecasts, 2025 - 2030

<https://marketpublishers.com/r/U4B28679CC4BEN.html>

Date: July 2025

Pages: 80

Price: US\$ 5,950.00 (Single User License)

ID: U4B28679CC4BEN

Abstracts

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U.S. Anatomic Pathology Market Summary

The U.S. anatomic pathology market size was estimated at USD 9.71 billion in 2024 and is projected to reach USD 15.35 billion by 2030, growing at a CAGR of 7.1% from 2025 to 2030. This market is experiencing robust growth driven by technological innovation and growing clinical demands.

Integrating automation and digital solutions across all phases, such as pre-analytical, analytical, and post-analytical, is key to enhancing diagnostic accuracy, efficiency, and patient outcomes. The growing integration of advanced pathology equipment, such as gross imaging systems, digital microscopes, and automated staining platforms, is poised to enhance anatomic pathology practices.

Digital imaging technologies, in particular, deliver notable improvements in diagnostic specificity and accuracy over traditional methods. Consequently, the market for anatomic pathology is witnessing a surge in the adoption of these digital solutions, fueled by rising demand for diagnostic services that offer greater precision and reliability. In March 2023, PathAI, Inc. launched its AISight digital pathology platform and AIM-PD-L1 NSCLC RUO algorithm. Thirteen leading health systems, academic medical centers, and independent pathology organizations and reference laboratories

participated in AISight Early Access Program.

The growth of personalized and precision medicine in the U.S. significantly fuels demand for anatomic pathology services. Accurate and detailed tissue analysis has become essential as more treatments become tailored to a patient's individual genetic and molecular profile. Anatomic pathologists play a central role by performing specialized testing on biopsy and surgical specimens-including immunohistochemistry (IHC), in situ hybridization, and next-generation sequencing (NGS)-to detect key biomarkers such as HER2, EGFR, KRAS, and PD-L1. These results directly guide the selection of targeted therapies in breast, lung, and colorectal cancers.

U.S. Anatomic Pathology Market Segmentation

This report forecasts revenue growth at country levels and provides an analysis of the latest industry trends in each of the sub-segments from 2018 to 2030. For this study, Grand View Research has segmented the U.S. anatomic pathology market report based on product & services, application, and end use.

Product & Services Outlook (Revenue, USD Billion, 2018 - 2030)

Instruments

Microtomes & Cryostat microtomes

Tissue processors

Automatic strainers

Whole Slide Imaging (WSI) Scanners

Other products

Consumables

Reagents & Antibodies

Probes & Kits

Others

Services

Application Outlook (Revenue, USD Billion, 2018 - 2030)

Disease Diagnosis

Drug Discovery and Development

Others

End Use Outlook (Revenue, USD Billion, 2018 - 2030)

Hospitals

Research Laboratories

Diagnostic Laboratories

Others

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