

Veterinary Digital Pathology Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

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Abstracts

The Global Veterinary Digital Pathology Market was valued at USD 426.1 million in 2024 and is estimated to grow at a CAGR of 15.2% to reach USD 1.7 billion by 2034. The increasing demand for quick, accurate, and effective diagnosis in animals is driving the market growth. With the rising incidence of chronic diseases such as cancer and infections among companion and livestock animals, veterinary professionals are turning to advanced diagnostic technologies. These systems enable faster and more accurate diagnoses compared to traditional methods. Digital pathology, with its high-resolution imaging capabilities, is more efficient, offering quicker analysis with minimal errors, which makes it an essential tool in veterinary practices.

Furthermore, the integration of artificial intelligence (AI) and machine learning (ML) technologies enhances the automation of imaging, pattern recognition, and predictive diagnostics, reducing the need for human input and making the system even more effective. The growing adoption of pets and rising animal healthcare expenditures across the globe, especially in both developed and emerging economies, also play a role in the market's growth. As these technologies advance, they provide significant support for diagnosing and treating chronic conditions, benefiting both individual animal care and broader veterinary healthcare systems.

The whole slide imaging (WSI) systems segment was valued at USD 199 million in 2024. WSI systems are used to convert glass slides into high-resolution digital files, allowing faster and more efficient analysis. They facilitate immediate access to digital slides, enabling quick and accurate evaluations, especially for urgent or critical cases. These systems support batch processing and automated scanning, reducing manual workloads and improving operational efficiency. Furthermore, WSI systems integrate

seamlessly with laboratory information systems and practice management software, optimizing the overall diagnostic workflow. With continuous advancements in technology, such as enhanced image sensors and faster processing units, WSI systems have become more efficient and affordable, further contributing to their widespread adoption.

In 2024, the companion animals segment held a 60.2% share. This growth is mainly driven by the rising adoption of pets, including dogs, cats, and other animals, particularly in households. As more than half of the global population is estimated to own pets, there is an increasing demand for accurate and timely diagnoses for these animals. Moreover, the growing incidence of chronic diseases in companion animals has significantly contributed to the rise in demand for advanced diagnostic tools like veterinary digital pathology systems. Pet owners' growing awareness of their pets' health, combined with increased willingness to invest in their care, also plays a significant role in expanding the market.

U.S. Veterinary Digital Pathology Market was valued at USD 74.8 million in 2024. The country is witnessing an increase in government funding and investment aimed at improving animal health and diagnostic capabilities. Federal agencies such as the USDA and NIH have been actively promoting research and development in veterinary diagnostics, including funding for animal disease detection and advanced diagnostic technologies like digital pathology. This support is accelerating innovation in the market, ensuring that veterinary practices globally have access to cutting-edge diagnostic tools. Additionally, the high rate of pet ownership in the U.S., coupled with the availability of advanced pet care services, is driving the demand for digital pathology systems.

Key players in the Global Veterinary Digital Pathology Market include 3DHistech, Agfa-Gevaert, Aiforia Technologies, Antech Diagnostics, Hamamatsu Photonics, IDEXX Laboratories, Indica Labs, Leica Biosystems (Danaher), Motic, Proscia, Sakura Finetek USA, Scopio Labs, VCA, and Zoetis. To strengthen their market presence, companies in the veterinary digital pathology sector are focusing on several key strategies. These include continuous technological innovation to enhance diagnostic accuracy and efficiency, such as integrating AI and ML for automation and predictive analytics. Companies are also investing heavily in research and development to bring new, more affordable solutions to the market. Expanding its geographic reach through partnerships with veterinary clinics, hospitals, and research organizations is another tactic being employed to increase market penetration.

Companies Mentioned

**3DHISTECH, AGFA-GEVAERT, AIFORIA TECHNOLOGIES, ANTECH
DIAGNOSTICS, HAMAMATSU PHOTONICS, IDEXX LABORATORIES, INDICA
LABS, LEICA BIOSYSTEMS (DANAHER), MOTIC, PROSCIA, SAKURA FINETEK
USA, SCOPIO LABS, VCA, ZOETIS**

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