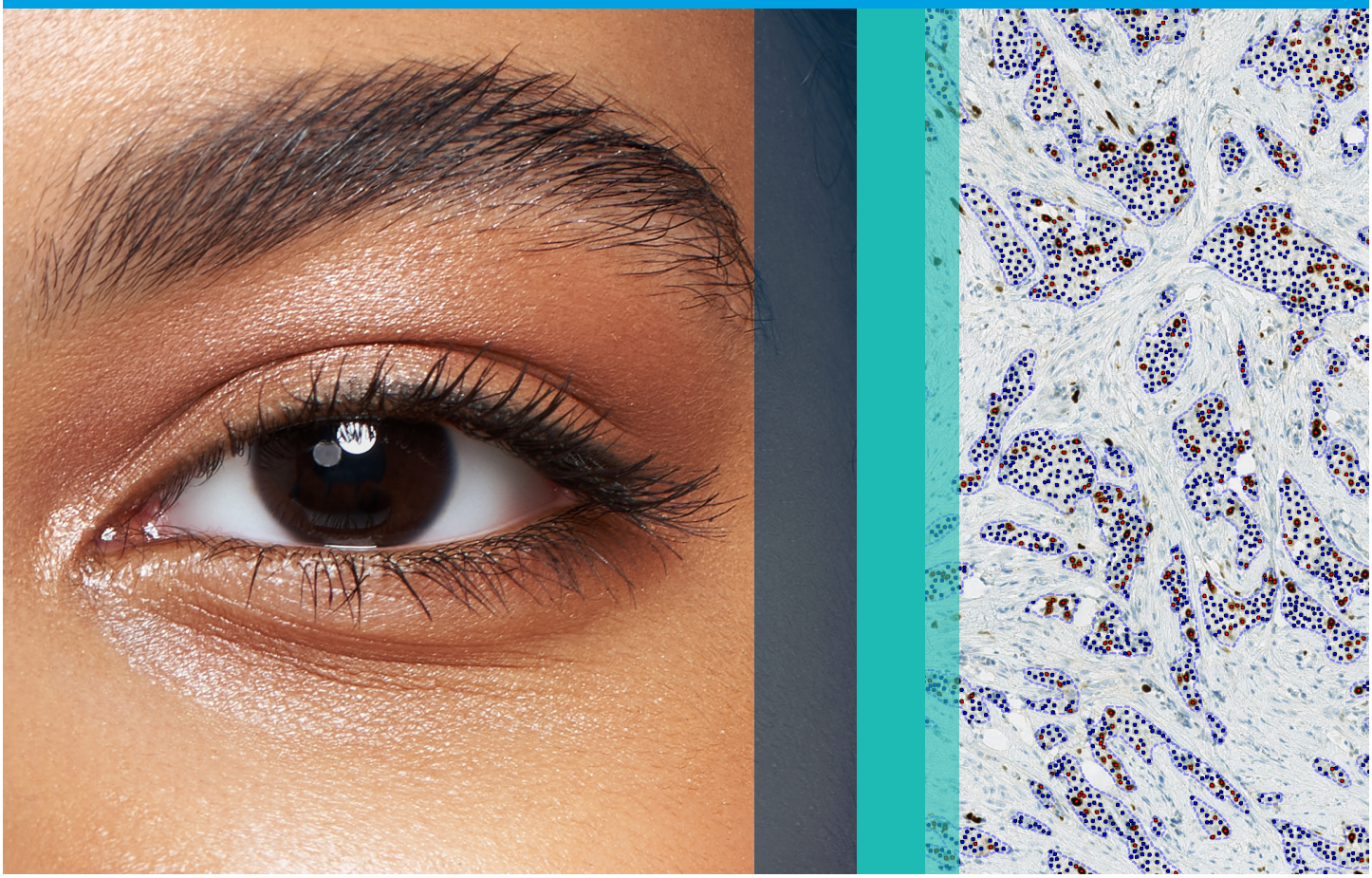
Agilent
Dako

Focus on Your Lab's Future...

Now.

Open, scalable digital pathology solutions from Agilent.



Agilent
Trusted Answers

Commitment to Supporting You in the Implementation of Digital Pathology

The rise in cancer incidence and the steep increase in patient cases and testing complexity is putting pathology labs under pressure[1,2]. Along with a decreasing number of pathologists[3,4], many laboratories are experiencing a demand for a change in work routine. Digital technologies are a proven way to overcome challenges in resources and complexity[5,6] and pathology is beginning to transform into a digital process. In addition to alleviating common issues, providing better opportunities for remote work, easy, and faster peer review of cases, digital pathology improves efficiency and may also help attract new pathologists[7,8,9].

With Agilent as your trusted pathology partner, you can have confidence that we provide what you need to start, develop, and be at the cutting edge of digital pathology.

Open and agnostic

Flexible

Scalable

Thrive in the age of digital pathology with truly end-to-end solutions

Agilent has combined our trusted staining solutions with hand-picked, best-in-class innovations from leaders in digital pathology to offer an ecosystem of open, truly end-to-end, scalable, and flexible digital pathology solutions.

With a broad range of whole slide image scanners, image management systems, and AI-driven digital pathology applications, our solutions support pathology research and diagnostic labs seeking answers for tissue-based testing. So, whether you're just starting out, looking to grow, or striving to lead in the world of digital pathology, you can rely on Agilent as a trusted partner.

The freedom of interoperable and scalable solutions, designed to fit into your lab

Our end-to-end digital pathology solutions are characterized by their openness, flexibility, and scalability, ensuring that they remain interoperable and adaptable to your needs in the changing landscape of digital progression.

We'll help you to establish, enhance, and stay ahead in your digital journey. Regardless of your need for an integrated enterprise, standalone, or cloud-based solution or the number of locations and scale of your laboratory, our systems merge with yours and provides you with a variety of use cases. Together with our partners, we ensure integration with your lab's existing IT setup—both upstream and downstream—giving you the freedom to shape your lab's growth with a truly open, flexible workflow.

With our deep roots in pathology and high-quality staining solutions, Agilent is committed to supporting you through increased laboratory efficiency, clinical utility, and test quality, to reduce time to diagnosis and improve patient outcomes.

Our open, agnostic, and scalable end-to-end digital pathology solutions offer flexibility you can rely on into the future—no matter the number of locations and size of your lab. You don't have to fit into our systems—we fit into yours, supporting you in providing the best patient care.

Hamamatsu: Digital pathology scanners

Hamamatsu NanoZoomer® scanners improve lab workflows by providing advanced imaging technology with high- and middle-throughput options, delivering high-speed, high-resolution whole slide image capture.

NanoZoomer® S360MD is available in US for In Vitro Diagnostic Use.

Proscia: Image management system

Concentriq® AP-Dx is a comprehensive solution for primary diagnosis that immerses pathologists in an intuitive experience for viewing, interpreting, sharing, and managing whole slide images. Designed for clinical settings of all sizes – from individual reference laboratories to the largest hospital systems – it helps to drive confidence and efficiency gains.

In the US, Concentriq AP-Dx (K230839) is cleared for clinical use with the Hamamatsu NanoZoomer S360MD Slide scanner. Concentriq Dx is Health Canada licensed.

Visiopharm: AI image analysis

Visiopharm's AI-driven digital pathology applications are designed to help you deliver fast, accurate, and consistent results. The integrated, fully automated workflows provide pathologists with objective interpretation support for PD-L1 NSCLC, ER, PR, Ki-67, HER2, prostate cancer, metastasis, and hotspot detection.

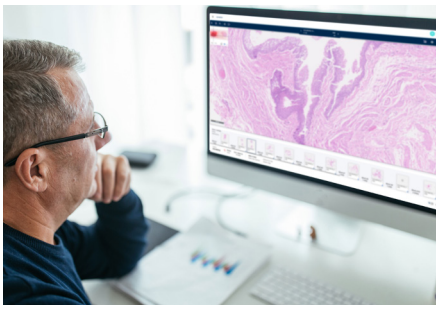
In US and Canada: For Research Use Only. Not for use in diagnostic procedures.

PathAI: Integrated image management system and AI image analysis

AISight™ is a cloud-native digital pathology platform that serves as a central hub for case management, image management, and artificial intelligence applications including, AIM-PD-L1-NSCLC and AIM-HER2-BREAST.

AISight is for Research Use Only. Not for use in diagnostic procedures.

Your one point of contact, trusted pathology partner



With over 50 years of experience in immunohistochemistry and extensive lab automation knowledge, Agilent delivers high-quality staining solutions and superior service, enabling labs to deliver fast and reliable diagnostic results for cancer patients.

Together with our partners, we offer end-to-end, timesaving, future-proof digital pathology solutions. With Agilent as your one point of contact you can rest assured that we and our partners are committed to supporting you, whether you need workflow and system design or service and support.

Agilent's digital pathology partners:

HAMAMATSU PHOTON IS OUR BUSINESS · PROSCIA® · VISIOPHARM® · PathAI

References

1. Global Cancer Observatory: Cancer Tomorrow. Lyon, France: International Agency for Research on Cancer. https://gco.iarc.fr/tomorrow (accessed 15 October **2021**).
2. Stagner, A. M.; Tahan, S. R.; Nazarian, R. M. Changing Trends in Dermatopathology Case Complexity: A 9-Year Academic Center Experience. Arch. Pathol. Lab. Med. **2021**, 145 (9), 1144–1147. https://doi.org/10.5858/arpa.2020-0458-OA.
3. Michel, R. Record 600 pathologist jobs open nationwide. The Dark Report. https://www.darkintelligencegroup.com/the-dark-report/pathology-trends/record-600-pathologist-jobs-open-nationwide/ (accessed **2021**-08-16).
4. Guo, H.; Birsa, J.; Farahani, N.; Hartman, D. J. et al. Digital Pathology and Anatomic Pathology Laboratory Information System Integration to Support Digital Pathology Sign-Out. J. Pathol. Inform. **2016**, 7 (1), 23. https://doi.org/10.4103/2153-3539.181767.
5. Jahn, S. W.; Plass, M.; Moinfar, F. Digital Pathology: Advantages, Limitations and Emerging Perspectives. J. Clin. Med. **2020**, 9 (11), 3697. https://doi.org/10.3390/jcm9113697.
6. Baxi, V.; Edwards, R.; Montalto, M.; Saha, S. Digital Pathology and Artificial Intelligence in Translational Medicine and Clinical Practice. Mod. Pathol. **2022**, 35 (1), 23–32. https://doi.org/10.1038/s41379-021-00919-2.
7. Hanna, M. G.; Reuter, V. E.; Samboy, J.; England, C. et al. Implementation of Digital Pathology Offers Clinical and Operational Increase in Efficiency and Cost Savings. Arch. Pathol. Lab. Med. **2019**, 143 (12), 1545–1555. https://doi.org/10.5858/arpa.2018-0514-OA.
8. Ho, J.; Ahlers, S. M.; Stratman, C.; Aridor, O. et al. Can Digital Pathology Result in Cost Savings? A Financial Projection for Digital Pathology Implementation at a Large Integrated Health Care Organization. J. Pathol. Inform. **2014**, 5 (1), 33. https://doi.org/10.4103/2153-3539.139714.
9. Baidoshvili, A.; Bucur, A.; van Leeuwen, J.; van der Laak, J.; Kluin, P.; van Diest, P. J. Evaluating the Benefits of Digital Pathology Implementation: Time Savings in Laboratory Logistics. Histopathology **2018**, 73 (5), 784–794. https://doi.org/10.1111/his.13691.

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