

Roche Digital Pathology

Virtual Consultation. Image Analysis. Education.



Roche — leading the pathology transformation

Transforming pathology with complete digital solutions

The Roche Digital Pathology portfolio is transforming the pathology lab — expanding beyond microscopes and glass slides to deliver the results labs and patients need. Improve efficiency with hardware and software solutions that work seamlessly together — helping to reduce errors, save time and free up staff and resources for other value-added tasks.

- Connect quickly to consult or get second opinions in minutes, not days.
- Experience confidence with standardized, objective results.
- Enrich and enhance medical education, training and collaboration.

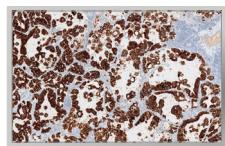
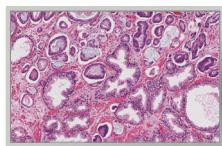
Empower a smooth transition to digital pathology with global strength, experience and support from Roche.

Innovations to streamline your lab

Streamlined digital pathology solutions from Roche can help provide clinically sound, advanced medical insights that are reproducible without the limitations of time, distance or traditional technologies. Take advantage of our experience and expertise to create an efficient solution that can optimize pathologists' data flow and systems networking while supporting future scalability.

Our integrated, single-source solution provides the reagents, automated staining platforms and comprehensive workflow and digital pathology innovations to empower your lab. Together, our solution provides consistent, objective and validated results for greater diagnostic confidence and seamless performance.

Our consultative approach can help maximize staffing, connectivity, interfacing and workflow in the pathology lab, so you can capitalize on the quality and efficiency digital pathology can bring to your lab.



Roche — empowering labs and their patients

The Roche Digital Pathology portfolio enables you to connect easily with other professionals, experience diagnostic confidence and enrich education and collaboration, helping to improve your lab's speed, quality and efficiency.



Virtual Consultation

Consult without the commute

Connectivity enables efficiency and flexibility and can improve patient care and safety in the pathology lab. Our flexible digital pathology portfolio can help reduce travel, staffing and shipping costs, as well as the time required for second opinions, especially for specialized cases.

Expand your practice to — everywhere

Remote specialists can quickly access a patient's slides to help deliver clinically sound insight with confidence, optimizing consultations, peer review and second opinions with anytime/anywhere access.



Image Analysis

See things differently with Companion Algorithm image analysis software

Raise the standard of patient care with the diagnostic confidence that comes with CE and US IVD-validated VENTANA Companion Algorithm software. Both local and remote pathologists can experience objective, consistent IHC interpretations that help improve patient care with our fully integrated solution for diagnostic insight.

Bring patient safety to the forefront

Image analysis algorithms provide rapid diagnostic validation to empower standardized and repeatable results. Our sensitive, specific portfolio of key breast biomarkers and semi-quantitative image analysis algorithms, CE and US IVD-validated for HER2 (4B5), ER (SP1), PR (1E2), Ki-67 (30-9) and p53 (DO-7), help your lab provide consistent results for greater diagnostic confidence.



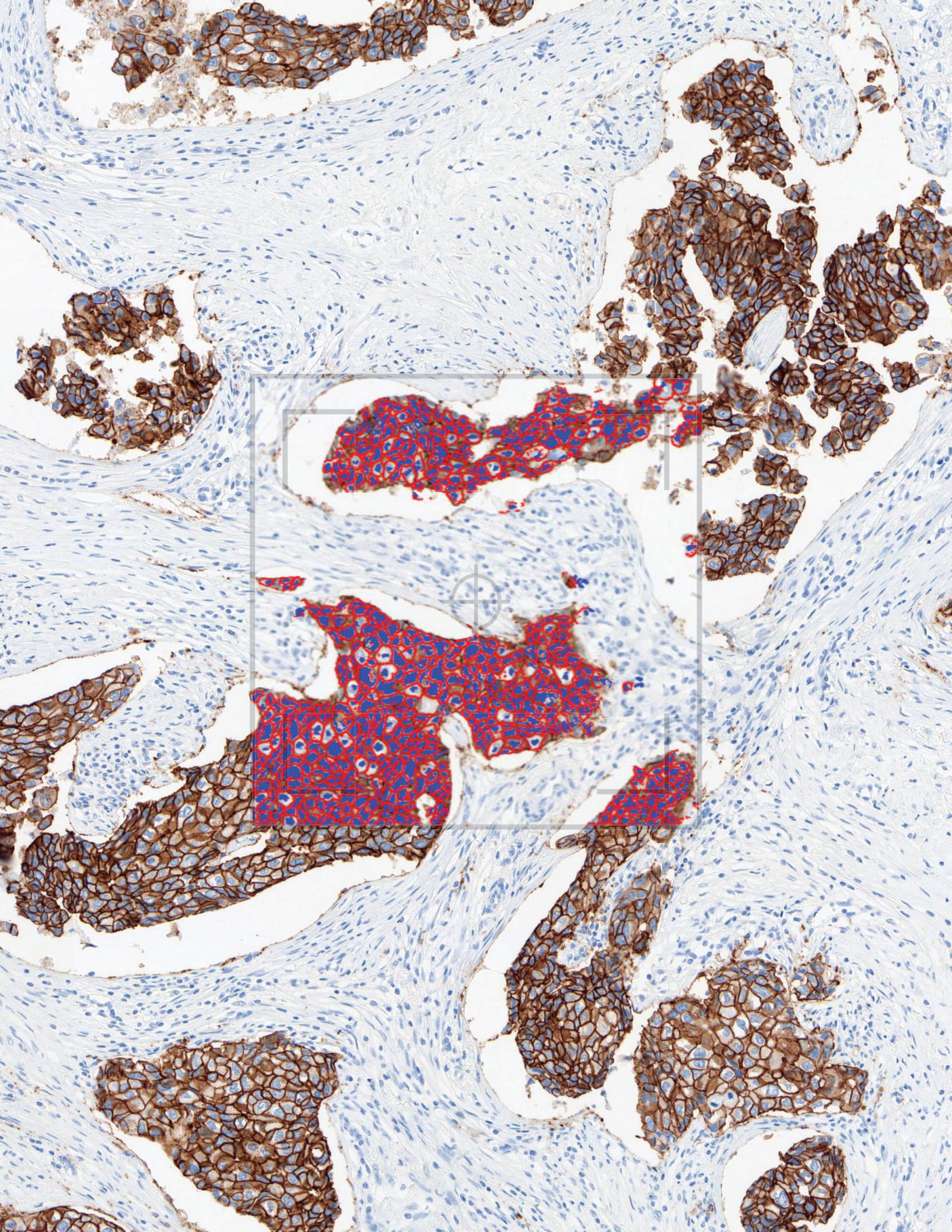
Education

Expand learning possibilities with state-of-the-art access to slide images and materials

Transform medical education and non-clinical collaboration with anytime/anywhere delivery of consistent, interactive materials for the next generation of pathologists — on the device of their choice — all with substantial time and cost savings. Provide an interactive learning environment that can increase student engagement, participation and collaboration while standardizing content. Leverage the latest technology to safely distribute rare or educationally enriching cases.

Collaborate easily — without boundaries

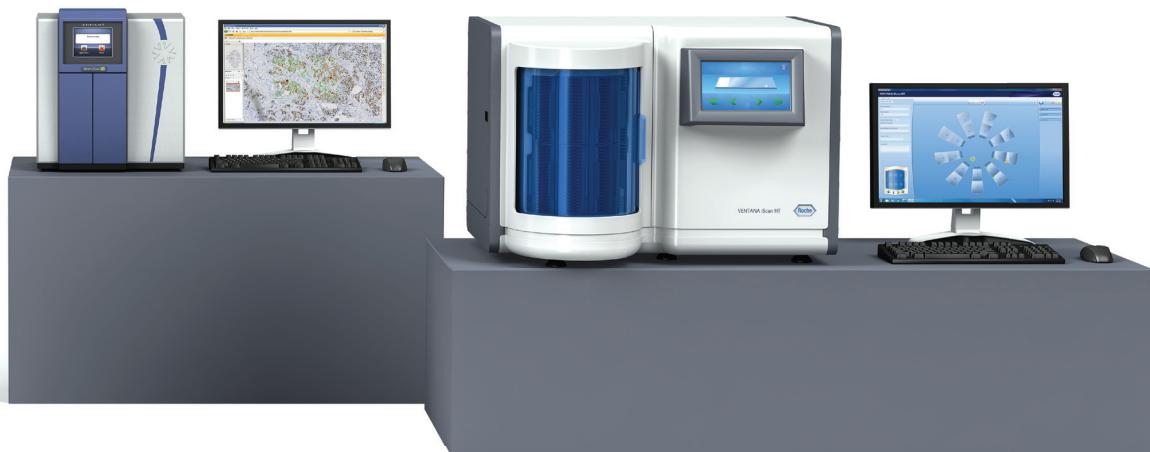
Non-clinical applications can use the flexible, dynamic VENTANA Vector education and collaboration software for case sharing and review, enriching the experience with mechanisms for online discussion and feedback. Empowering anatomic pathology labs with industry-leading education and collaboration solutions, Roche is providing labs, pathologists and educators with the resources they need to transform pathology.



Empowering the digital pathology transformation with innovative technology

Roche Digital Pathology — next-generation instruments, software and technology in action

Digital pathology hardware and software solutions from Roche can transform your pathology practice with unmatched connectivity, efficiency and innovation. Whether you are evaluating digital options for your lab or are ready to optimize your existing digital pathology installation, our integrated, scalable offering can empower you at every stage of adoption with a single-source solution, backed by global strength and support from Roche.



VENTANA slide scanners and software — cutting-edge solutions to transform pathology

The foundation of digital pathology is the digital slide image. Empower your digital pathology experience with technologically advanced, scalable slide scanners with the efficiency, optical clarity and flexibility only Roche can provide.

VENTANA digital pathology software empowers your lab with the connections, resources and confidence to improve efficiency, reduce turnaround times and enable improved patient care.



VENTANA iScan HT slide scanner

The VENTANA iScan HT slide scanner* is the most powerful scanner of its kind on the market, with the speed, reliability and throughput that high-volume labs need. Designed for *in vitro* diagnostic use, this scanner offers the power, control and efficiency you need to optimize your digital pathology workflow.



- 360-slide capacity
- Unprecedented throughput with 80 slides/hr at 20x
- Continuous random access and STAT processing — with no workflow interruption
- Cutting-edge optics, for one-time accurate results



iScan Coreo slide scanner

The versatile VENTANA iScan Coreo slide scanner provides automation for small-to medium-volume labs looking to make the transition to digital pathology. This scanner offers walk-away scanning of up to 160 slides, and produces high-quality images and offers advanced slide handling.



- User-friendly walk-away automation
- Excellent image quality
- Automated turret with 4 objectives — 4x, 10x, 20x and 40x
- Live telepathology for remote access to slides

= Virtual Consultation

= Image Analysis

= Education

* The VENTANA iScan HT slide scanner is for *in vitro* diagnostic use in specific clinical applications.



Virtuoso image and workflow management software

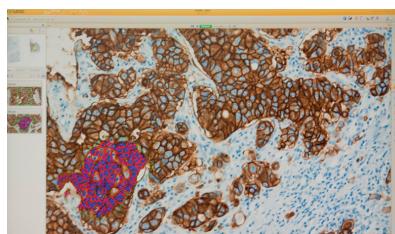
Provide web-based anytime/anywhere access to clinical slide images with VENTANA Virtuoso software and enable consultations and second opinions with ease. The Virtuoso software can connect with both laboratory information systems (LIS) and Roche workflow solutions, enabling seamless bi-directional communication between instruments and the LIS, reducing the risk of sample misidentification by decreasing data entry touch points.



- Manage clinical case workflow
- View, annotate and analyze digital images and generate reports
- Integrated with the Companion Algorithm image analysis software for the complete breast panel



Companion Algorithm image analysis software

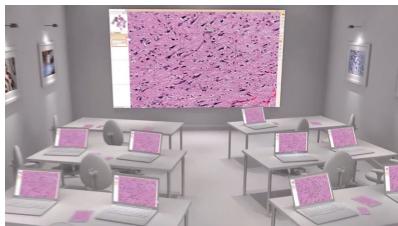


Companion Algorithm image analysis software, the only clinically validated algorithms for the complete IHC breast panel, can help pathologists detect and measure specific targets in tissue sample images with enhanced objectivity, consistency and repeatability — a single-source solution that can help improve diagnostic confidence by helping standardize results for complex slide evaluations.

- A CE and US IVD-validated portfolio, the complete breast panel includes HER2 (4B5), ER (SP1), PR (1E2), Ki-67 (30-9) and p53 (DO-7) image analysis software
- Consistent, objective interpretations — verified by a pathologist — for each patient
- Produces a semi-quantitative score



VENTANA Vector software



VENTANA Vector software can help create an interactive learning experience for teaching or share scanned images with colleagues for pathology training and collaboration, providing a cost-effective non-clinical image-sharing platform for education and collaboration. An individual institution's goals and style are supported with software that is configurable in a private, uniquely branded portal.

- Increase student engagement with anytime/anywhere access to materials — including rare or valuable samples
- Reduce or eliminate costs of providing access to specialized equipment, slides and content
- Provide a flexible collaboration platform for non-clinical case sharing

Roche Digital Pathology — the future of pathology today.

Roche, the world's largest biotech company, addresses distinct laboratory needs with proven global strength and support, offering your lab a single-source solution that enables a smooth digital transition. With continuing leadership in the clinical market, Roche is building our portfolio of CE and US IVD-validated diagnostic solutions to support the digital pathology transformation, now and in the future. Trusted for world-class diagnostic & pharmaceutical technologies, Roche is transforming pathology with flexible solutions that reliably deliver the future of pathology today.

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