D I G I T A L P A T H O L O G Y

APERIO IQC SOFTWARE

AI-POWERED WHOLE SLIDE IMAGING QUALITY CONTROL



From Artifact to Accuracy: Quality Control Where You Need It

For Research Use Only. Not For Use In Diagnostic Procedures.

Leica BIOSYSTEMS Seamlessly integrated with the Aperio GT series of scanners, Aperio iQC software enables rapid detection of six common console while slides are still on the scanner, ensuring that quality control workflow. With intelligent automation, Aperio iQC ensures consistent artifact detection and categorization across tissue types and staining protocols.

The intuitive dashboard enables rapid artifact review, accelerating turnaround times and freeing up skilled personnel for higher-value tasks. Aperio iQC not only enhances operational efficiency but also builds confidence in slide quality making it a vital tool for modern pathology labs committed to excellence at scale.

STILL INSPECTING SLIDES BY EYE? THERE'S A SMARTER WAY.

Traditional quality control (QC) in digital pathology is manual, subjective, and resource intensive. Histotechnicians must visually inspect every whole slide image (WSI) for artifacts like air bubbles, pen marks, and scanning errors—an approach that is time-consuming and prone to variability. These digital and histological artifacts disrupt workflows and compromise accuracy.



Average FTE hrs. per DAY spent QC WSI before sending to Pathologist

Time taken to QC each WSI (70% reported this time frame)



OUALITY CONTROL WHERE YOU NEED IT

Aperio iQC Software automatically checks scanned H&E and IHC slides from connected Aperio GT scanners. Slides are processed within 31 seconds** after scanning, with detected artifacts sent to the Aperio iQC dashboard and scanner console, enabling Histotechnicians to assess the underlying issue before the slide is removed from the scanner. Users can approve or reject the whole slide images and leave comments in the Aperio iQC dashboard for each scan.

*Based on a survey of 75 digital pathology users, scanning on average of 1,000 - 1,500 slides per day **31 second average for a 15mm X 15mm area

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CONSISTENT AND STANDARDIZED WSI QUALITY CONTROL

Aperio iQC Software delivers measurable value by transforming quality control in digital pathology from a manual, subjective task into a streamlined, automated process.





Automatic detection of histological or digital artifacts



Artifacts identified as early in the workflow as possible



Reduce time and staff required for quality control





Provision of quality metrics for lab tissue/ digital preparation

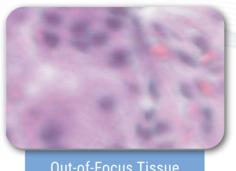
A centralized dashboard with intuitive visual indicators enables rapid quality assessment, helping technicians identify root causes of tissue and digital errors, empowering labs to implement effective countermeasures.

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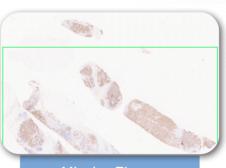
VISUAL INTELLIGENCE FOR SMARTER REVIEWS

The Aperio iQC software module, Al-powered quality control, is designed for the Aperio GT scanner series, and replaces manual QC with fast, automated artifact detection of six most frequent quality issues. By identifying issues early, labs can:

- Reduce WSI QC review time
- · Reallocate skilled staff to higher-value tasks
- Improve overall lab efficiency



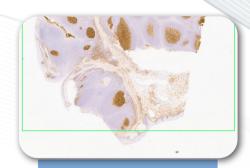




Missing Tissue



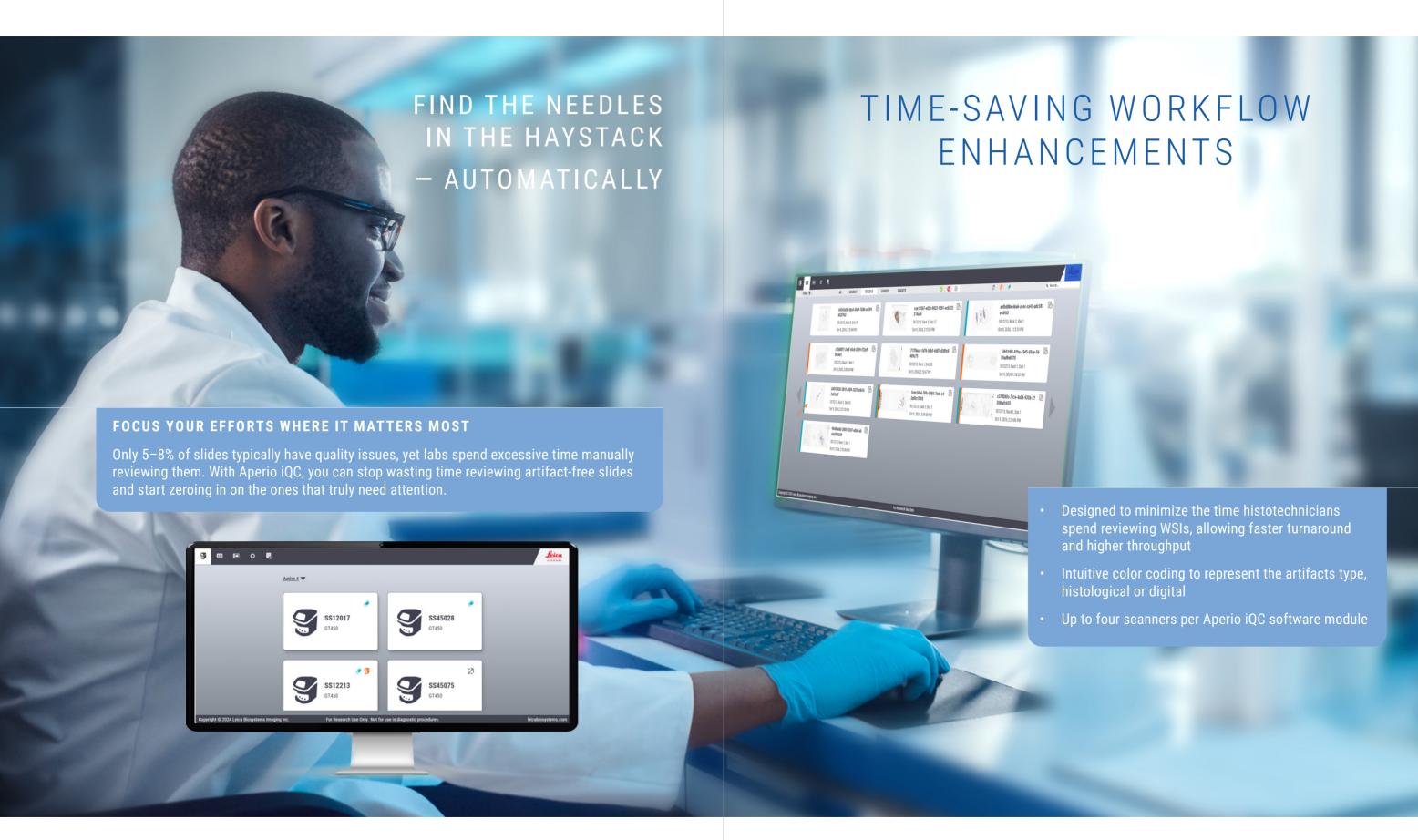
Image Striping



Clipped Tissue

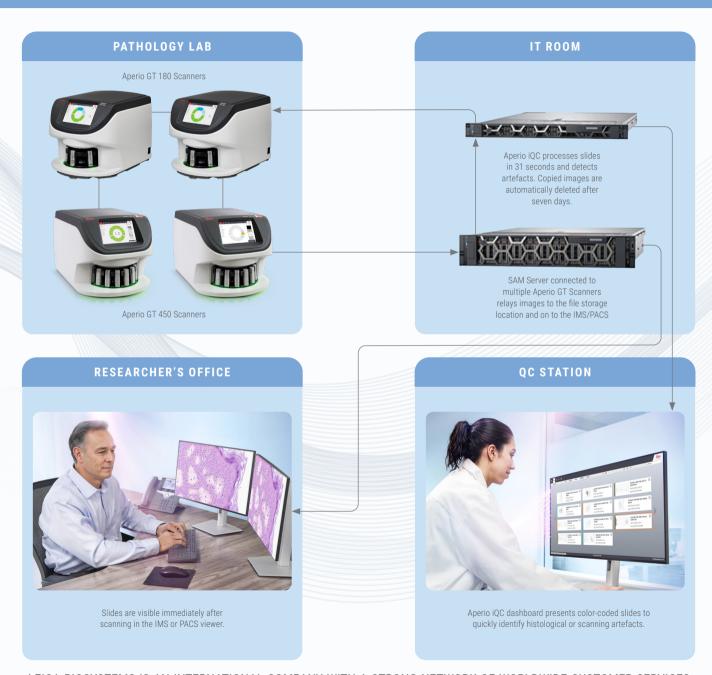


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