

# 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.

Accelerate Your Journey  
Imagine The Possibilities

# FROM ARTIFACT TO ACCURACY



Seamlessly integrated with the Aperio GT series of scanners, Aperio iQC software enables rapid detection of six common artifacts and triggers alerts to the scanner console while slides are still on the scanner. With inbuilt intelligent automation, Aperio iQC software automatically rescans slides with digital artifacts, applying scan parameters optimized to resolve scan issues and deliver high-quality whole slide images.

The intuitive dashboard enables rapid artifact review, accelerating turn around times and freeing up skilled personnel for higher-value tasks. Aperio iQC software 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, an approach that is time-consuming and prone to variability, disrupting workflows, and compromising accuracy.

### CHALLENGES WITH MANUAL QUALITY CONTROL IN DIGITAL PATHOLOGY

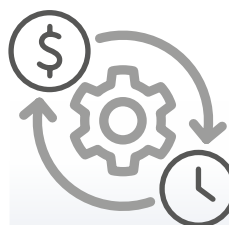
Average FTE hrs. per day spent QC WSI before sending to Pathologist



Time taken to QC each WSI manually



Manual WSI quality control costs \$1 per slide in technician time



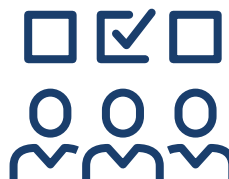
Inconsistent and subjective manual QC



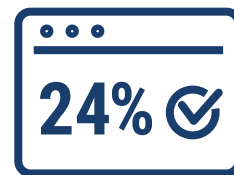
Automatic detection of artifacts 31s<sup>2</sup> after scanning



Faster: 69%<sup>3</sup> reduction in histotechnician QC time



Reduce cost and staff required for quality control



Detects 24%<sup>3</sup> more artifacts missed by histotechnicians

### BENEFITS OF USING APERIO iQC SOFTWARE

#### 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.

1. Based on a survey of 75 digital pathology users, scanning on average of 1,000 - 1,500 slides per day 2. 31 second average for a 15mm X 15mm area  
3. Based on a Real-World Data Study with Institute of Pathology, Heidelberg University.

# TIME-SAVING WORKFLOW ENHANCEMENTS



## FOCUS YOUR EFFORT WHERE IT MATTERS MOST

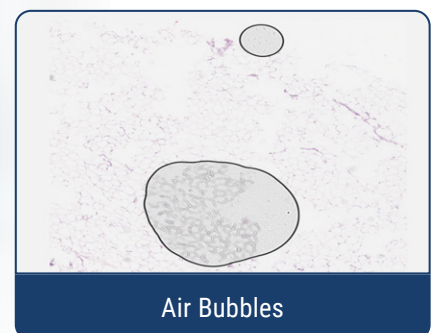
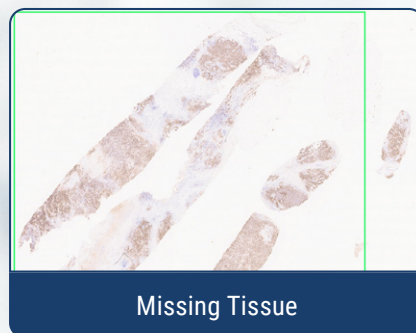
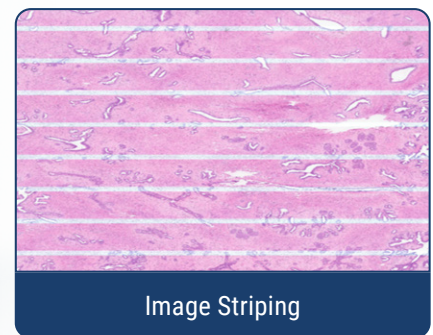
Only 5–8% of slides typically have quality issues, yet labs spend excessive time manually reviewing them. With Aperio iQC software, you can stop wasting time reviewing artifact-free slides and start zeroing in on the ones that truly need attention.

Built-in visual intelligence and an intuitive, color-coded dashboard enable rapid quality reviews, so labs can pinpoint tissue and digital errors fast and act with confidence.

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# FIND NEEDLES IN THE HAYSTACK, AUTOMATICALLY

## AUTOMATICALLY DETECTING 6 COMMON WSI ARTIFACTS



Aperio iQC software transforms quality control in digital pathology from a manual, subjective task into a streamlined, reproducible process, delivering consistent and standardized WSI quality control so labs can:

Reduce WSI QC review time

Reallocate staff to high-value tasks

Ensure consistent quality control

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# SPEED AND QUALITY NO COMPROMISE



Aperio iQC software is designed to deliver the world-leading scanning speed of the Aperio GT scanners—without slowing down for quality. Rather than overprocessing during scanning, which can impact throughput, Aperio iQC software applies an intelligent, targeted approach that preserves scan speed while maintaining confidence in image quality. Slides are processed within 31 seconds\* after scanning, with detected artifacts immediately sent to the Aperio iQC dashboard and scanner console. This enables histotechnicians to assess the underlying issue and take action—before the slide is removed from the scanner—keeping workflows moving at the pace your lab demands.

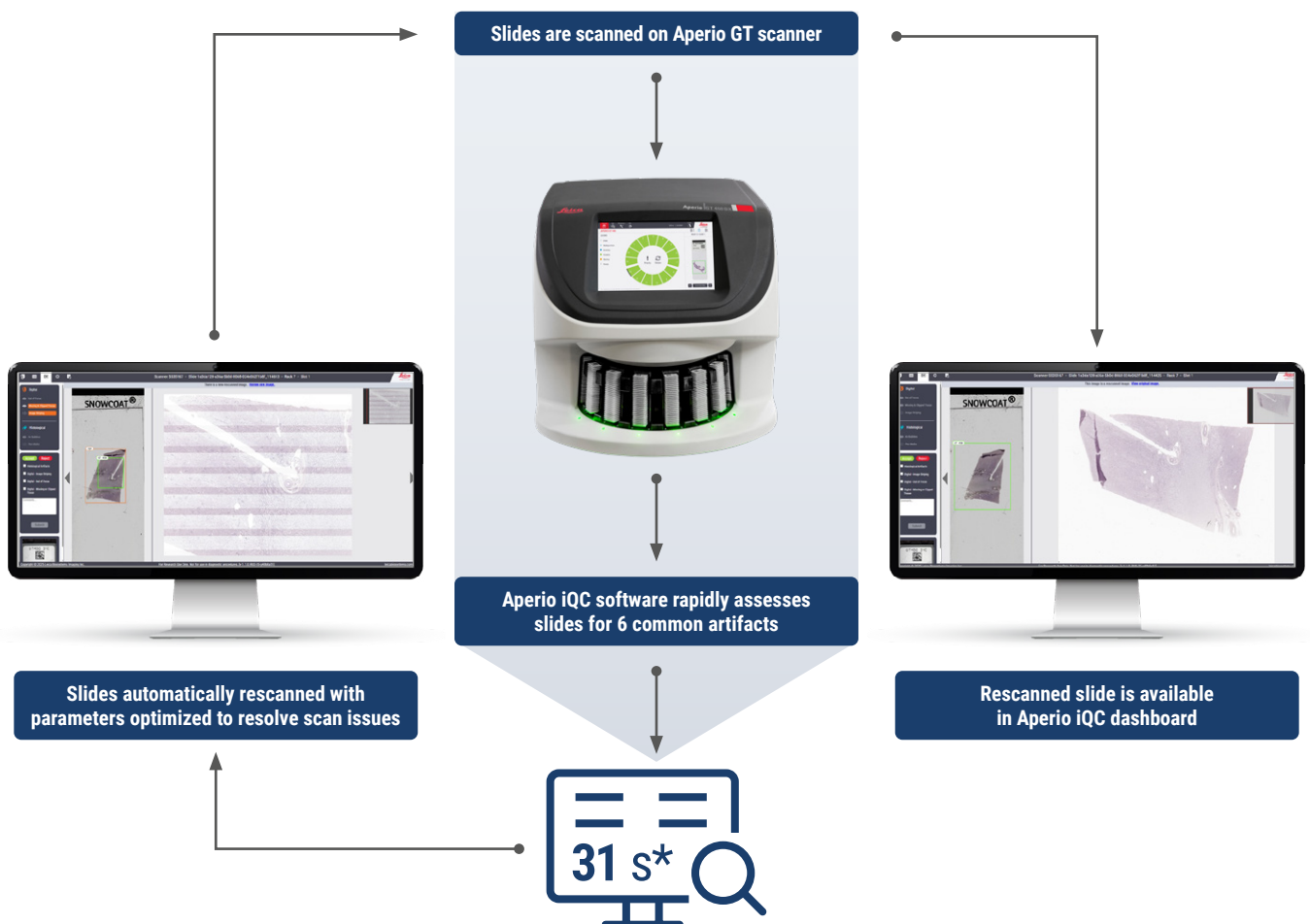
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The products, shown above, HistoCore SPECTRA Workstation, in conjunction with Aperio GT 450 are for Research Use Only (RUO).

# QC WHERE, WHEN, AND HOW YOU NEED IT

Working in tandem with the Aperio GT range of scanners, Aperio iQC software fixes scan issues before they become problems. When Aperio iQC software identifies scanning artifacts, the Aperio GT scanner automatically rescans the affected slide, applying optimized scan parameters to resolve issues – providing full autonomous quality with the confidence of complete control.

In manual mode, users can review whole slide images, approve or reject results, add comments in the Aperio iQC dashboard, and initiate rescans with a single click when needed.



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\*31 second average for a 15mm X 15mm area



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