

## AiosynQC AI-powered quality control

AiosynQC provides an AI-powered solution to identify the most common artifacts in the scanning process of whole slide images.

# Improve the quality and speed of digital pathology workflows with **AiosynQC**

### Quality of diagnostics process

The quality of the diagnostic process is at the heart of any pathology laboratory and only the best quality images need to be used for clinical diagnostics. Histology slides are heterogeneous because of the differences in the pre-analytical process. Therefore, there is a need to scan for artifacts before the diagnostic procedure. AiosynQC helps labs ensure that only high-quality images are used by pathologists for clinical diagnostics.

### Efficiency of the diagnostic and research workflow

Quality control is still a manual process in which technicians are selectively reviewing cases before clinical diagnostics. This is time consuming, repetitive, and labor-intensive for both clinical diagnostics and research. AiosynQC automates these manual checks which saves invaluable technician time and improves the quality and speed of research projects.

### Quality in the pathology workflow before clinical-grade algorithms

The number of AI algorithms for clinical tasks is growing rapidly. These algorithms are developed on high-quality data and may underperform on images with artifacts. AiosynQC is therefore a useful tool that improves the workflow and eases the identification of high quality images that could be used as data inputs for separate AI algorithms.

## Use of AiosynQC

As part of an improved workflow, AiosynQC helps labs ensure that only high-quality images are used by pathologists for clinical diagnostics. The product flags cases before presentation to a pathologist. The algorithm of AiosynQC detects the most common artifacts:



out-of-focus



air bubbles



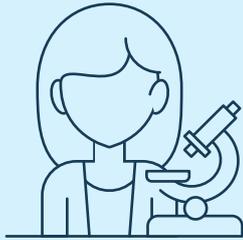
tissue folds



incomplete scanning

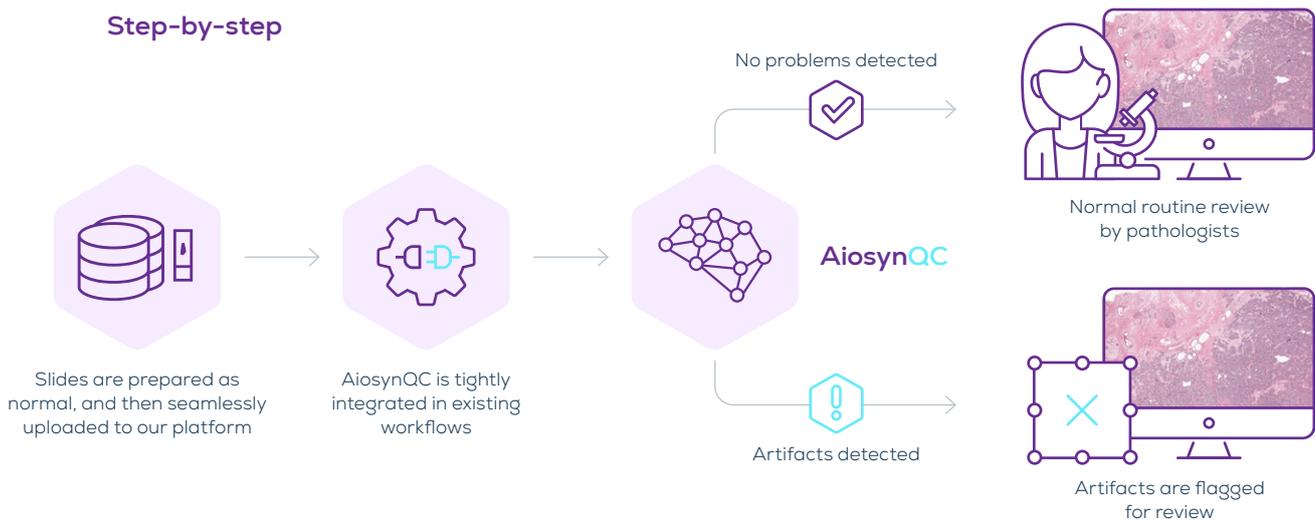


pen markers



The AiosynQC algorithm is not used for, nor does it inform, the process of clinical diagnosis performed by a pathologist, and the pathologist is responsible for ensuring the quality of the image is sufficient and appropriate for use in clinical diagnosis.

## Step-by-step



## AiosynQC technical specifications:

For a seamless experience, we provide AiosynQC as a service. This means that you do not have to worry about hosting, or maintenance of hardware; we take care of it. Our AI solution runs in the cloud within the European Union and the United Kingdom, and can deliver the power of AiosynQC anywhere, anytime. AiosynQC can be integrated with major workflow providers such as Sectra. Please get in touch with us to know more about the algorithm integration in existing workflows.

Note: AiosynQC is not a medical device, nor is it intended to be used as an accessory to any AI or other medical devices.\*



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\* Product disclosure: AiosynQC can only be used in the European Union and the United Kingdom. In the EU and the UK, AiosynQC is not considered a medical device under European IVDR and UK MDR legislation, respectively. AiosynQC tool is not intended to be used as an accessory to, nor is it necessary to be used in combination with any AI or other medical devices to specifically enable them to meet their intended purpose or directly assist in their functionality.