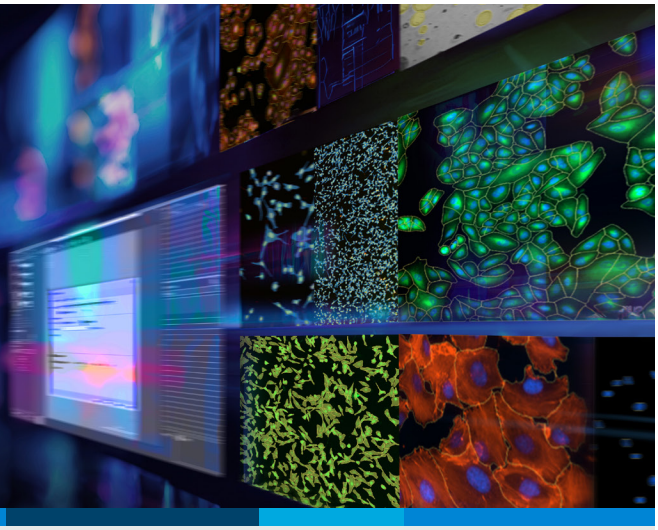
Agilent BioTek Gen5 AI cell identification module

# Ready. Set. Success.

Turn time-consuming optimization into first-time success



## Simplify cell image analysis with AI-powered identification

The Agilent BioTek Gen5 AI cell identification module is an add-on software analysis module that enables streamlined AI segmentation within Agilent BioTek Gen5 software for imaging and microscopy. By helping reduce the need for thresholding, tuning, and trial-and-error analysis, Gen5 AI supports more reliable cell counting and confluence data with less variability and manual effort.

Researchers can apply user-friendly image analysis across diverse cell-based applications, including label-free, live-cell, and kinetic assays, while working within a familiar Gen5 software environment. The result is a more efficient path from image acquisition to quantitative insight, with fewer manual analysis steps and minimal user intervention.

### More confidence in every count

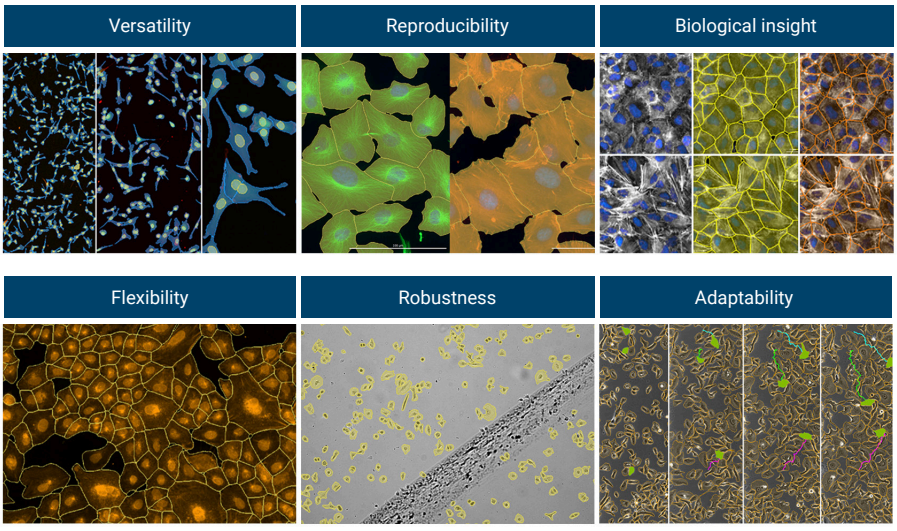
Improve confidence in cell counting and confluence results with AI-based segmentation that helps reduce user-to-user variability.

### Flexible analysis across applications

Apply user-friendly image analysis across diverse cell types, image formats, and assay conditions with less setup.

### Faster path to image-derived insights

Reduce manual analysis steps and training demands so researchers can focus more time interpreting results.




### One AI-powered approach for diverse cell imaging workflows

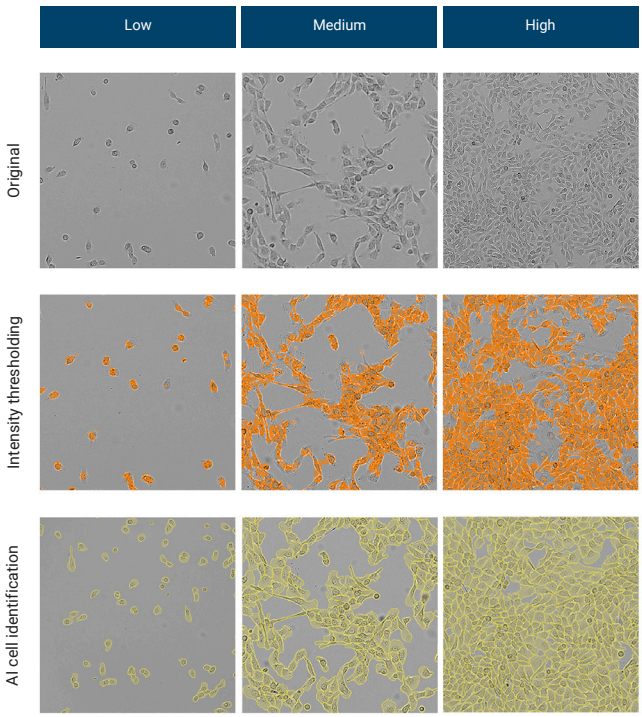
The BioTek Gen5 AI cell identification module generates consistent image-derived insights across cell types, labeling strategies, imaging magnifications, imaging conditions, and time-based experiments.

Agilent

Trusted Answers

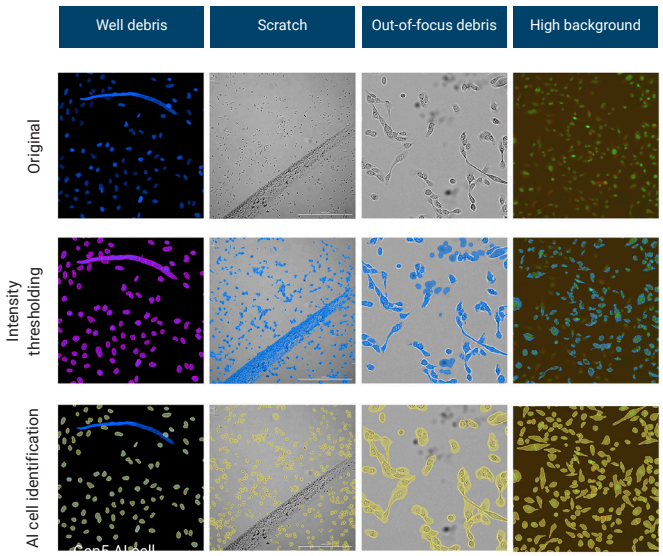
## Reliable results from sparse to confluent cultures

The Gen5 AI image analysis module delivers consistent cell identification as cultures progress from sparse populations to densely packed monolayers. By adapting to changes in cell number, contact, and boundary visibility, researchers can compare results across experimental conditions with greater confidence.




## Clearer answers from challenging images

Gen5 AI supports reliable segmentation when blur, debris, high background, or variable staining make image analysis more difficult. By reducing the impact of common imaging artifacts, researchers can extract more dependable data from challenging samples and conditions.




Contact our experts to discover how the Agilent BioTek Gen5 AI cell identification module can simplify cell image analysis and move from images to insight with confidence.
www.agilent.com/cell/Gen5AI

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