SYNENTEC
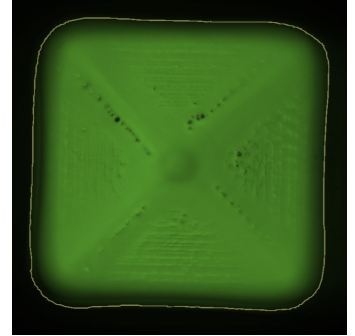
PAIA QC

GENERAL PURPOSE

The *PAIA QC* operator is used to detect single fluorescence in a well and determine its area and absolute brightness (not background corrected). It was specifically designed for the PAIA assay, a fast-low-volume assay for IgG-quantification directly from the supernatant after single cell cloning to find the high producer, but can also be used to determine total fluorescence in each well in other applications.

RESULT TABLE

Cell Area	Detected area per well in mm^2
Cell Area Count	Number of detected areas
Cell Confluence	Ratio of detected to analysed area per well
Avg Fluorescence Intensity	Average area-weighted fluorescence intensity of the detected fluorescent area per well

EXAMPLE

The example shows a overview of a 384-well PAIAplate prepared with the PAIA IgG quantification assay, measure and analyzed with the NYONE® imager and its YT®-software. The lower the intensity of a well, the higher was the IgG concentration in the supernatant. The top two lines show the standard series for the determination of the concentrations in the samples.