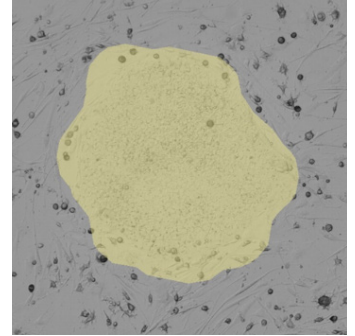


# iPS Colony Count

## GENERAL PURPOSE

The *iPS Colony Count* operator is used to detect clusters of iPS cells that grow on a feeder layer. The operator works similar to the *Cell Confluence* operator on a brightfield image, but supplemented with additional morphological operations that are supposed to suppress false detections on the cell layer. The essential results of the *iPS Colony Count* operator are the number of iPS colonies per well as well as their area.



## RESULT TABLE

Cell Area	Area covered with cells in mm <sup>2</sup>
Cell Area Count	Number of separate cell clusters
Cell Confluence	Percentage of the cell area on the evaluated area

## EXAMPLE

This example shows a brightfield image of iPS-cell colonies on a layer of feeder cells (left image). The software detects the colonies and marks them yellow (right image).

