

# Adherent Cell Count with SnapCyte™

**Accurate counts directly from your culture plate — no detachment, no dyes, no guesswork.**

Accurate adherent cell counts are critical for reproducible experiments, from drug screening to in vivo studies. Traditional counting methods require detaching cells and staining, which can stress or kill the culture, or relying on subjective manual counts that vary from user to user.

SnapCyte™ eliminates these issues by analyzing adherent cells exactly as they are in culture. Using a standard digital microscope or a camera mounted on a manual scope, users capture brightfield or phase contrast images and upload them to the SnapCyte™ web or mobile app.

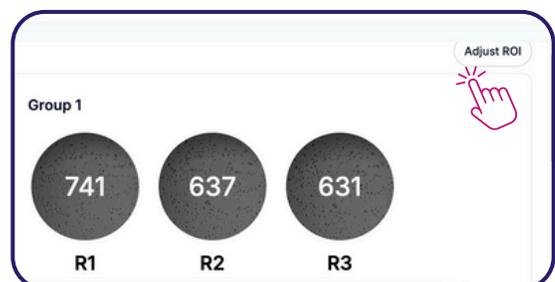
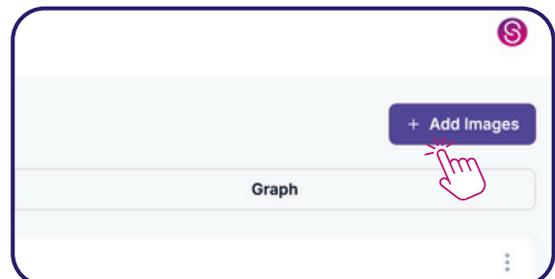
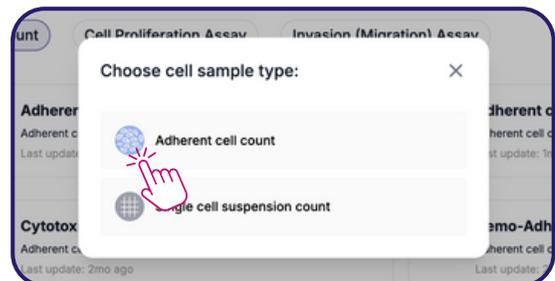
## Workflow

Structured as numbered steps matching the actual app workflow:

1. Select Adherent Cell Count.
2. Define number of groups and replicates.
3. Upload images for your first timepoint (assign to replicates).
4. Add more timepoints if needed.
5. Set scale from one image with a clear scale bar.
6. (Optional) Set ROIs.
7. Run analysis and review results.

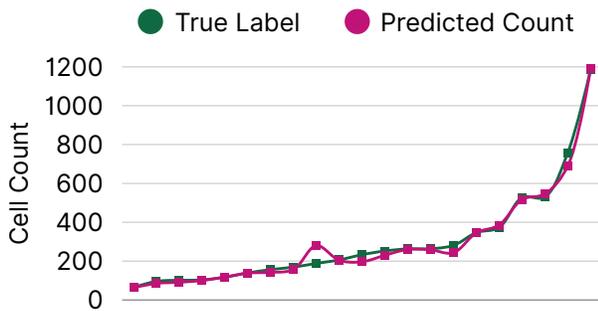
## Output and Analysis

- Cell count per image.
- Cell density (cells/cm<sup>2</sup>) if a scale bar is set.
- Downloadable excel file with results for all groups, replicates, and timepoints.



## Performance

SnapCyte™ applies consistent segmentation criteria to all images, ensuring reproducibility independent of operator skill. Validation against manual counts by trained scientists shows Precision of %93.5.



## Limitation

Accuracy drops with clumped cells or full confluency, and poor focus or debris can affect segmentation. It is not designed for spheroid or 3D analysis.

## Use case : Scientist X

Scientist X is preparing an animal study requiring 20 million viable cells for injections.

On their first attempt, they guess the yield per plate based on past experience, harvest the cells, and discover they only have 16 million. Not enough to treat all mice. The study is delayed, wasting time and resources.

On the next attempt, Scientist X uses SnapCyte™. They image one plate, get an accurate adherent cell count (e.g., 9 million cells per plate), and calculate exactly how many plates are needed to reach the 20 million target. The harvest proceeds without shortage, with no wasted culture time and full confidence in the experimental plan.

