

invitrogen

Countess™ 3

Automated Cell Counter

Quick reference

Cat. No. AMQAX2000/AMQAF2000 | Pub. Part No. 100097266 | Pub. No. MAN0019513 | Rev. A.0

Gather your materials



Reusable slide

Or



Disposable slide



Invitrogen™
Trypan Blue stain

Or



Invitrogen™
ReadyCount™ reagent



Single-channel
pipette (2-20 µL)



Light cube
(Optional)

Limited product warranty

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Find out more at thermofisher.com/countess

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Countess 3

1 Prepare and load sample

Trypsinize cells, add necessary reagents, and load 10 μ L of sample onto a disposable or reusable slide.

2 Insert slide

Select a desired protocol and load your slide into the system (push to click). Use the **Rapid Capture** option to bypass step 3.

3 Set up cell count

Select your desired channels for capture and press **Count**.

4 View and gate results

Use  to gate on size.
Use  to gate on brightness.
Use  to gate on circularity.

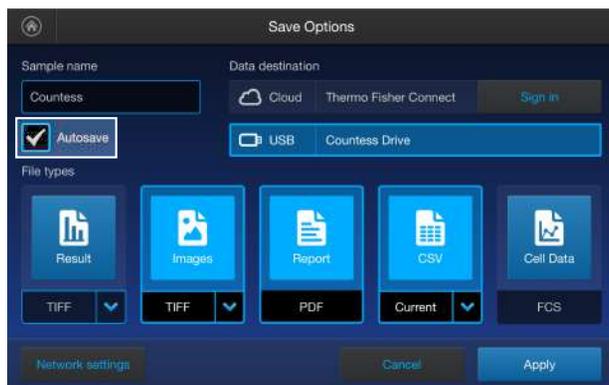
5 Save data

Select your save file types and data destination(s).

Speed up your workflow

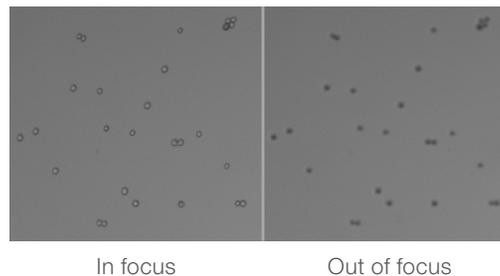


- 1 Select **Sign in** to link your Connect account to your Invitrogen™ Countess™ 3 Automated Cell Counter.
- 2 Select **Save options** from the Countess 3 system home screen to access autosave.
- 3 Select **Rapid capture** to bypass image setup and quickly count your slide.

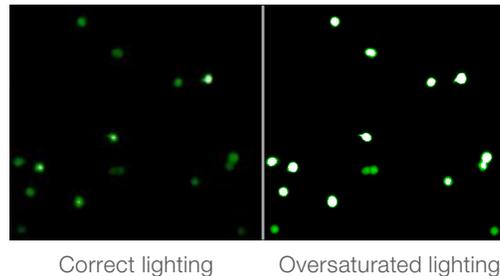


Check **Autosave** to enable saving automatically after a count is run.

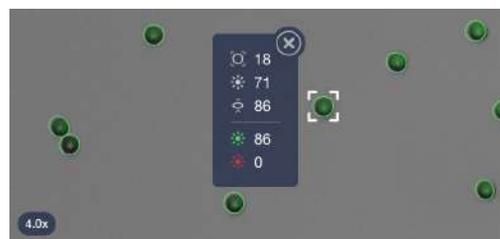
Focus



Saturated pixels

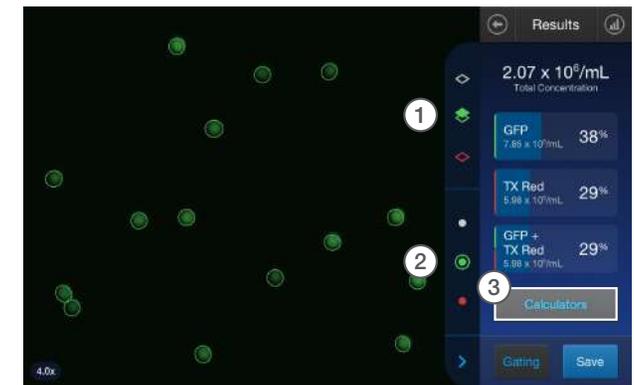


Cell information

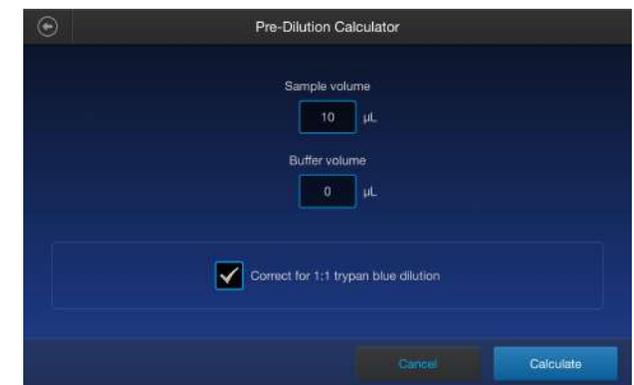


Pinch to zoom in on your cell of interest. After counting, tap on a cell to see its measurements.

View your results



- 1 Use  to turn the channel layers on and off.
- 2 Use  to turn the cell contours on and off.
- 3 Select **Calculators** to apply pre-dilution and cell splitting calculations to your sample.



Select **Pre-Dilution** to apply dilution that was added to your sample before counting.
Select **Cell Splitting** to assist you in replating your desired concentration of cells.