

Cell Count

Recommendations To obtain the best results

- Ensure that the cell sample is homogeneously mixed.
- The measurement range extends from 1×10^4 - 1×10^7 cells/mL, but the optimal range is 1×10^5 - 4×10^6 cells/mL.
- For accurate results in cell viability assays, ensure that the counting area is covered with the cell suspension and count the cells immediately after staining per the assay protocol.
- Do **not** press the optical surfaces of the chamber slides. Hold the slides by the edges.
- Take care to avoid forming bubble in the sample.

Load Countess Chamber Slide

1. Prepare the sample by adding 10 μ L of your cell suspension to 10 μ L of 0.4% trypan blue stain. Mix the sample mixture well by pipetting it up and down a few times.
2. Gently pipet 10 μ L of the sample into the half moon-shaper sample loading area. The sample is loaded into the chamber through capillary action.
3. Let the sample mixture settle in the chamber for 30 seconds, and then insert the slide into the slide port. You will hear a soft click, if the slide is pushed in correctly.
4. To remove the slide, push the slide gently into the instrument until it “clicks” and a spring pushes the slide out. Grasp the slide and pull it out the rest of the way.