

Cell counter

Countess II



The **Countess II Automated Cell Counter** uses trypan blue staining combined with an auto-focus mechanism and sophisticated image analysis algorithm to obtain accurate cell and viability counts. The measurement range extends from 1×10^4 to 1×10^7 cells/mL (the optimal range is 1×10^5 to 4×10^6 cells/mL), which is broader than that of a hemocytometer. The optimal cell size for accurate viability assessment is 7–60 μm , while particles as small as 4 μm can be successfully counted.

Using the USB port on the Countess II Automated Cell Counter, you can save your cell count results and images, and then transfer them to your PC.

The Countess II Automated Cell Counter works in 3 simple steps:

1. Mix 10 μL of sample with 10 μL of trypan blue and pipet into a disposable Countess chamber slide.
2. Insert the slide into the instrument.
3. Press the 'Count' button.

Specifications:

Capacity	One 2-chamber disposable slide
Cell Size	4-60 μm (detection), 7-60 μm (viability)
Concentration	1×10^4 - 1×10^7 cells/mL
Detection Method	Brightfield
Dimensions	9" W x 5.5" D x 9" H (22.86 x 13.97 x 22.86 cm)
Display	7" Capacitive touch screen
Field	2.15 mm x 1.62 mm (3.48 mm ²)
Voltage	100-240 VAC
Weight	8 lbs