



Product specifications

Technical specifications

Physical characteristics

Instrument type	Benchtop cell counter and suspension cell-based assay platform
Instrument dimensions	9 (W) × 5½ (D) × 9 inches (H)
Weight	8 lbs
Operating power	100–240 VAC, 0.58 A MAX
Frequency	50/60 Hz
Electrical input	12 VDC, 2 A
Installation site	Indoor use only, Class A Environments (i.e., non-residential or light industrial); Pollution degree 2.
Operating temperature	4–32°C (40–90°F)
Operating humidity	<80% (non-condensing)

Technical specifications

Processing time	~15 seconds
Sample concentration range	1×10^4 – 1×10^7 cells/mL
Particle/cell diameter range	4–60 µm (particles); 7–60 µm (cells)
Required sample volume	10 µL
Firmware	Countess™ Automated Cell Counting Platform Software
USB Drive	4 Gigabyte

Optics

Optics	1 channel (brightfield)
Camera	5 Mega pixels, 2.5× Optical Magnification

Analysis slide

Material	Poly(methyl methacrylate) (PMMA)
Dimensions	25 mm (W) × 75 mm (D) × 1.7 mm (H)
Chamber volume	10 µL