



# Technical specifications

## Physical characteristics

Instrument type	Benchtop cell counter and suspension cell-based assay platform
Instrument dimensions	9.6 (W) × 6.7 (D) × 9.4 inches (H)
Weight	8 lbs
Operating power	100–240 VAC, 1.0 A MAX
Frequency	50/60 Hz
Electrical input	12 VDC, 3 A
Installation site	Indoor use only, Class A Environments (i.e., non-residential or light industrial); Pollution degree 2.
Operating temperature	10°–40°C (50°–104°F)
Operating humidity	<80% (non-condensing)

## Technical specifications

Processing time	<30 seconds
Sample concentration range	$1 \times 10^4$ – $1 \times 10^7$ cells/mL
Particle/cell diameter range	4–60 $\mu$ m
Required sample volume	10 $\mu$ L
Firmware	Countess™ Automated Cell Counting Platform Software
USB drive	32 Gigabytes (FAT32-, exFAT-, or NTFS-compatible)

## Optics

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