

Invitrogen Countess II Cell Counter



Bench-top unit.

Rating: Not Rated Yet

Price

Sales price \$1,350.00

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Manufacturer [Invitrogen](#)

Description

Invitrogen Countess II (Cat. AMQAX1000) is a compact benchtop automated cell counter that uses brightfield imaging, autofocus, and image analysis to count cells and measure viability with trypan blue. Mix 10 μ L sample with 10 μ L stain, load a disposable dual-chamber slide, and get count, viability, and size data in about 10–15 seconds. The FL version adds two EVOS LED fluorescence channels.

Key Features / Specifications

Sample range — Concentration 1×10^2 to 1×10^7 cells/mL (optimal $\sim 1 \times 10^2$ – 4×10^5). Cell size 7–60 μ m for viability; particles down to $\sim 4 \mu$ m can be counted. 10 μ L per chamber.

Speed and optics — Typical count ~ 10 – 15 s. Brightfield only on Countess II; 5 MP camera, 2.5 $\times$ optical magnification ($\sim 55\times$ on-screen).

Autofocus with optional manual tweak. 7-inch capacitive touchscreen.

Outputs — Live/dead/total counts, % viability, average cell size, and images. Results and images save to USB (instrument includes a USB drive). User profiles can be stored.

Consumables — Disposable PMMA Countess chamber slides (two 10 μ L chambers per slide). Countess II FL also accepts reusable glass slides. LED illumination (long life).

Physical / electrical — About 9 $\times$ 5.5 $\times$ 9 in (23 $\times$ 14 $\times$ 23 cm), ~ 8 lb (3.6 kg). 100–240 VAC, 50/60 Hz via 12 VDC 2 A adapter. Indoor use, ~ 4 – 32 $^{\circ}$ C. Research-use-only instrument.

Comes with our 90-day warranty.

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Biotech Equipment Sales, Inc.
226 Miller Ave.
South San Francisco, CA 94080
650-871-5707 office
650-276-7487 fax
sales@biotechequipmentsales.com