Automated brightfield cell counter

Standalone cell counting with autofocus, selectable counting modes and disposable slides.

Cell counting



Features

- Standalone brightfield counting and viability analysis using disposable chambers.
- Autofocus and adjustable presets support different samples.
- Choose quick, normal or precise mode according to the counting volume and required throughput.
- Review counts and sample images on the integrated touchscreen.

Technical specifications

Imaging	Brightfield, 4× objective, LED illumination
Camera	5 MP CMOS
Cell concentration range	1 × 10^4 to 1 × 10^7 cells/mL
Cell diameter	5-60 µm
Quick mode	Approx. 20 s/test; 0.15 µL counting volume
Normal mode	Approx. 30 s/test; 0.9 µL counting volume
Precise mode	Approx. 100 s/test; 3.6 µL counting volume
Loading volume	20 µL per chamber
Dimensions	163 × 293 × 216 mm
Weight	5.0 kg

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Applications

- Routine cell concentration and viability checks before seeding or passaging.
- Use a larger analysed volume for low-density samples.

Configurations and accessories

- Add disposable counting slides and suitable viability stain.
- Optional barcode scanner, keypad, thermal printer and standard slide for IQ/OQ.

Selection notes

- Processing times depend on the sample and selected counting settings.

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https://www.precisometer.com/microscopy/life-science-instruments/cell-counting/brightfield-cell-counter