



fluidlab R-300

Cell Counting & Spectrometry

In the palm of your hand

Cell Count

Label-free viability measurements via holographic microscopy
Large FoV for high statistical significance
Small sample volume needed (4-20 μl)

The fluidlab R-300 - a powerful, portable tool to maximise your work at the clean bench.



Hi, I'm fluidlab

User-friendly

- Intuitive & easy to use
- No training necessary
- Free datalab software for smooth data transfer
- Maintenance free

Small & mobile

- Handheld & portable
- Fits under any clean bench
- Can be used in the glovebox



Precise & reliable

- High reproducibility
- Correlation with other common counting techniques

Fast

- Results in < 20 seconds
- No computer or internet necessary
- Calibration-free



Automated cell counter

Technical Specifications

Imaging Method	Digital Holographic Microscopy
Analysis Method	Machine Learning Classification
Field of View	2.3 mm x 2.3 mm (5.3 mm ²)
Cell Size Limits	3 - 80 μ m (cell count), 8 - 80 μ m (viability)
Cell Concentration Limits	10 ⁴ - 10 ⁷ cells/mL *
Compatible Sample Carriers	anvajo acella slides (various types available)

- Staining free viability measurements
- Sample volumes \leq 20 μ L
- Filtering for specified sizes in complex mixtures
- Cell counting in less than 20 seconds

* = Depending on sample carrier and cell type. For sample carrier type recommendations visit anvajo.com.

Portable spectrometer

Technical Specifications

Light Source	Multiwavelength LED Module
Wavelength Range	375 nm - 700 nm
Spectral Bandwidth	< 2 nm
Photometric Measuring Range	0 - 2,5
Compatible Sample Carriers	Standard 10 mm cuvettes

- Precise scatter- and absorption measurements
- Recording of full spectral graphs
- Wizard for calibration curves
- Minimize errors by guided software



Technical specifications

fluidlab R-300

Dimensions	128 mm x 94 mm x 33 mm
Weight	240 g
Display	3.5" Color Touch Screen
Connectivity	802.11 b/g/n Wireless LAN
Battery	Rechargeable Li-ion battery
Battery Runtime	5 hours *
Input Voltage	5 V DC via USB-C Power Adapter
Power Adapter	100 - 240 V AC 50/60 Hz
Data Storage	Internal Flash Memory

* = Battery claims depend on network configuration and many other factors; actual results will vary. Battery has limited recharge cycles and may eventually need to be replaced by anvajo. Battery life and charge cycles vary by use and settings.





anvajo is a medtech company from Dresden, Germany, committed to enabling the early detection and treatment of diseases directly at the point-of-care by offering innovative digital solutions for the analysis of various fluids. Our unique technology and platform-based solutions are extended to support the scientific community through the improvement of the daily laboratory routine and overall research and development.

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