anvajo

SPECTROMETRY & CELL COUNTING

IN THE PALM OF YOUR HAND

fluidlab R-300

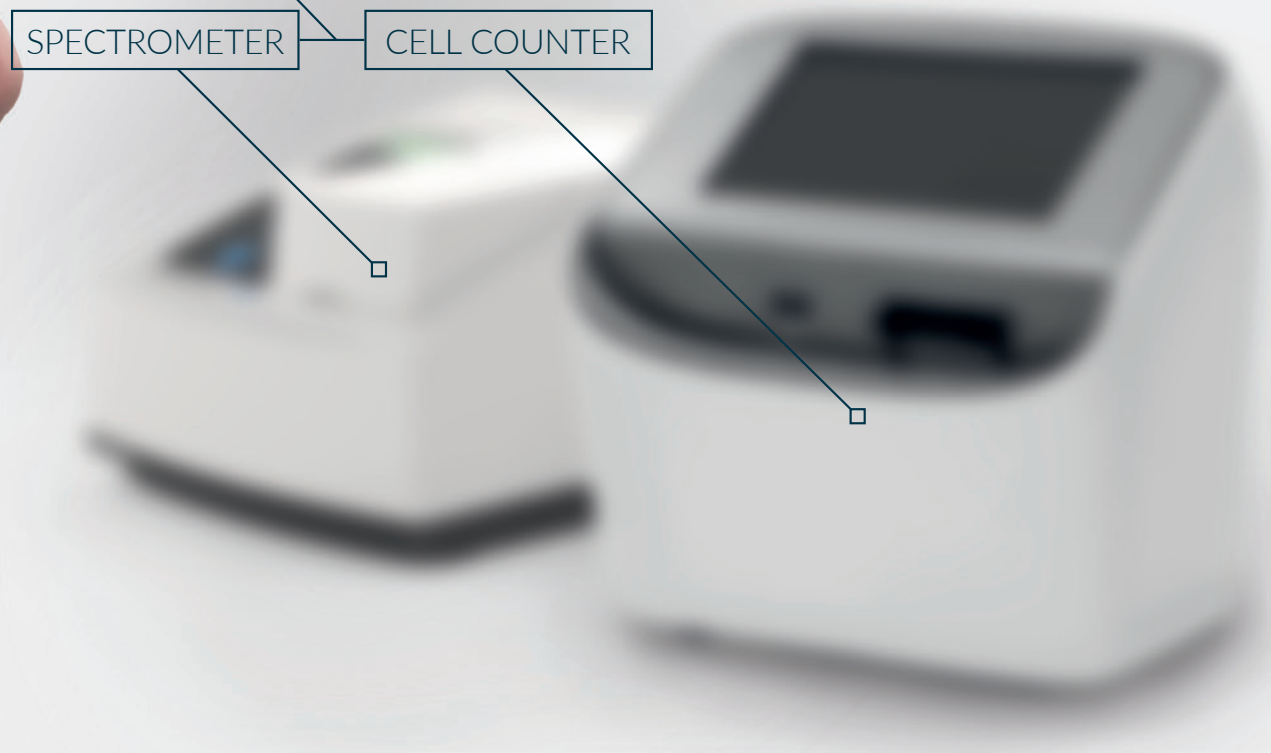
Introducing the all new

fluidlab R-300

The anvajo **fluidlab** R-300 combines two central laboratory technologies:

1. Spectrometry and
2. Cell Counting in one portable device.

The anvajo **fluidlab** R-300 can be used with standard cuvettes as well as anvajo sample carriers for a broard range of applications.



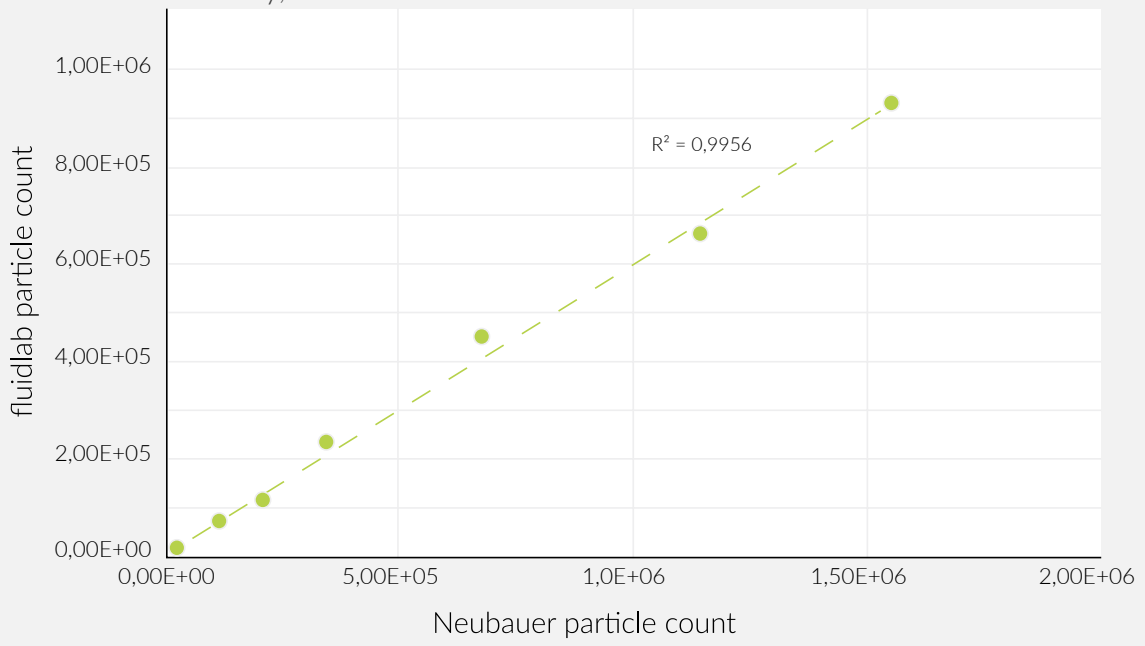
Cell Counter

- Staining free viability measurements
- Sample volumes <= 20µL
- Filtering for specified sizes in complex mixtures
- Cell counting in less than a minute

Technical Specifications	
Imaging Method	Holography
Analysis Method	Machine Learning Classifier
Field of View	2.3 mm x 2.3 mm (5.3 mm^2)
Cell Size Limits	3 - 80 µm (cell count), 8 - 80 µm (viability)
Cell Concentration Limits	1 x 10^4 - 2 x 10^7 cells/mL *
Compatible Sample Carriers	anvajo acella slides (various types available)

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

Linearity, Cell Counter

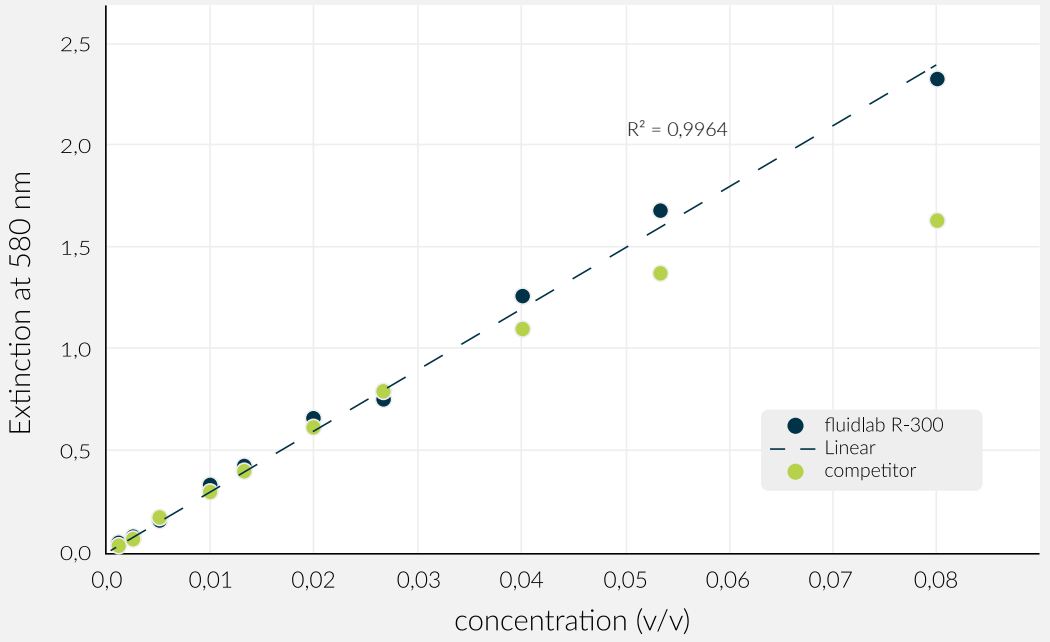


Spectrometer

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

Technical Specifications	
Light Source	Multiwavelength LED Module
Wavelength Range	375 nm - 700 nm
Spectral Bandwidth	< 2 nm
Photometric Measuring Range	0 bis 2.5
Compatible Sample Carriers	Standard Cuvettes (10 x 10 mm)

Linearity, Spectrometer:
Over an extinction of 1 to 2.4, R-300 is more linear than the competitive device.



Advantages

Easy-to-use

The fluidlab device is the smallest cell counter and spectrometer unit globally available. Due to its small handheld size, it is easy to carry and does not need to be recalibrated after transport. Running on robust and long-lasting batteries, the device is ideal for field usage.

Portable

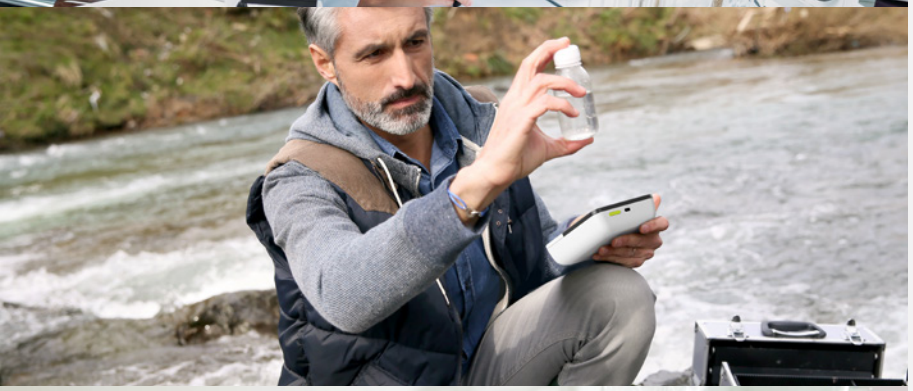
Collecting samples, conducting analysis and interpreting results is as simple as never. No calibration is needed and short startup and shutdown times allow quick and easy handling inside and outside of a laboratory.

Accurate and reliable

Robust validated results correlate nicely with traditional lab instruments ensure low %CV as well as positive linear sample correlations that meet international regulatory requirements.

Rapid

Quantitative results are available within a minute without preanalytical steps. Intuitive data presentation combined with shortened processing times enable immediate decision making in lab procedures.



Target Groups

Academic Research

- University institutes for biology and medicine
- Institutes for fundamental and applied research
- Cell culture labs

Industry

- Chemicals companies
- Pharmaceutical companies
- Biotechnology companies

Environmental Institutes

- Environmental ministries
- Consumer protection offices
- Sewage treatment plants

Food and Beverages

- Breweries
- Institutes for food quality
- Consumer protection offices

Technical Specifications

fluidlab R-300	
Dimensions	128 mm x 94 mm x 33 mm
Weight	240 g
Battery Runtime	5 hours *
Display	3.5“ Color Touch Screen
Connectivity	802.11 b/g/n Wireless LAN
Input Voltage	5 V DC via USB-C Power Adapter
Power Adapter	100 V - 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.

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anvajo GmbH, a spin-off biotech company from Dresden University of Technology, developed a portable device for point-of-care fluid analysis after six years of research that has the potential to be used in a wide variety of industries.

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