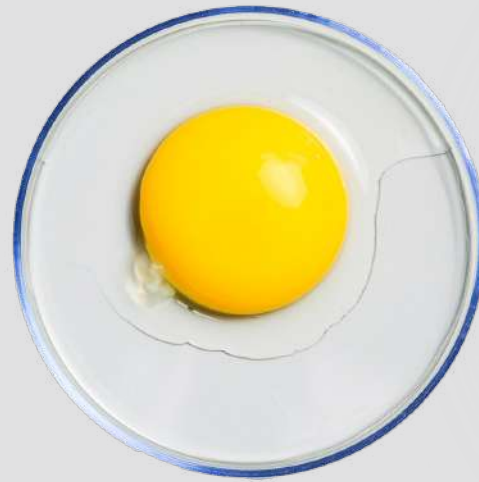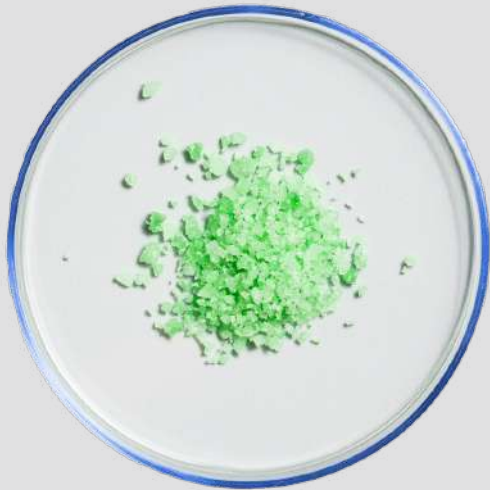Absorbance One
Reduced to Perfection

Tailored to Your Application

The Absorbance One brings world-class specifications to the palm of your hand.
Disrupting the idea of centralized equipment, the Absorbance One's minimal footprint and low price point mean it is available to every lab - and even every workstation.
Designed for specific applications, the Absorbance One is your decentralized cuvette photometer.

Into the Darkness

The discrete design of the Absorbance One places it among the premium cuvette spectrophotometers. Capable of reading up to 5 OD, the Absorbance One pushes the boundaries of dynamic range, while wavelengths from 340 to 1,000 nm allow for a wide variety of endpoint and kinetic assays.

The Absorbance One is capable of reading multiple cuvette variants, allowing for standard, semi-micro, and microvolume measurements.

Micro
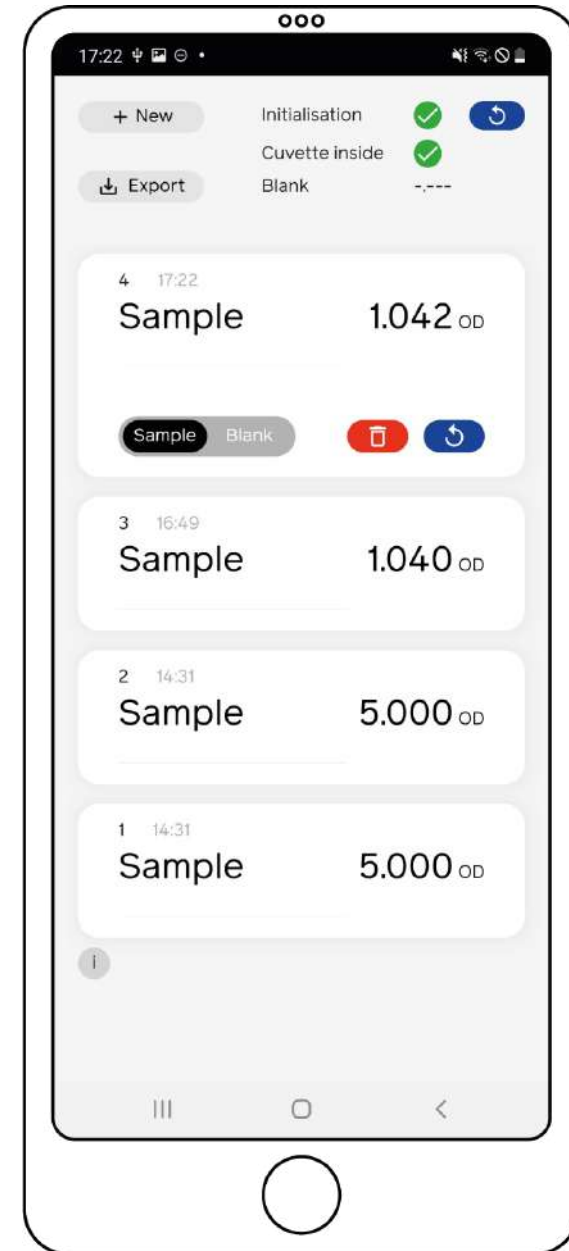50 µl

Semi-Micro
400 µl

Macro
1000 µl

Almost Magical

Byonoy's ambient light cancelling technology results in an open design, allowing the user to place the cuvette directly into the reader. Loading initiates an automatic measurement in a fraction of a second and results are displayed instantly in the Absorbance One App.

Auto measurement

A single USB cable connects the device to a computer, tablet or smartphone and provides access to the Absorbance One App, where a clean and user-friendly interface allows measurement results to be easily recorded and exported in the desired digital format.

Specifications

General		
	Type of product	Single beam, single wavelength cuvette photometer
	Detection method	Absorbance
	Detection mode	Endpoint, kinetic
	Cuvette types	Micro, Semi-micro and Macro cuvettes

Measurement		
	Light source	1 x LED
	Wavelength	260 nm*, 280 nm*, 340-1000 nm
	Measurement range	0–5.0 OD
	Resolution	0.001 OD
	Accuracy	≤ 0,5 % + 0.005 OD from 0.0–3.0 OD
	Reproducibility	≤ 0.5 % + 0.005 OD from 0.0–3.0 OD
	Linearity	≤ 0,5 % from 0.0–3.0 OD
	Temperature for measurement	5–70 °C

Physical characteristics		
	Connection to computer	USB
	Dimensions	33 mm x Ø 64 mm
	Weight	

Software		
	Operating systems	Android, Windows, MacOS coming soon

No Matter Where The Lab Takes You