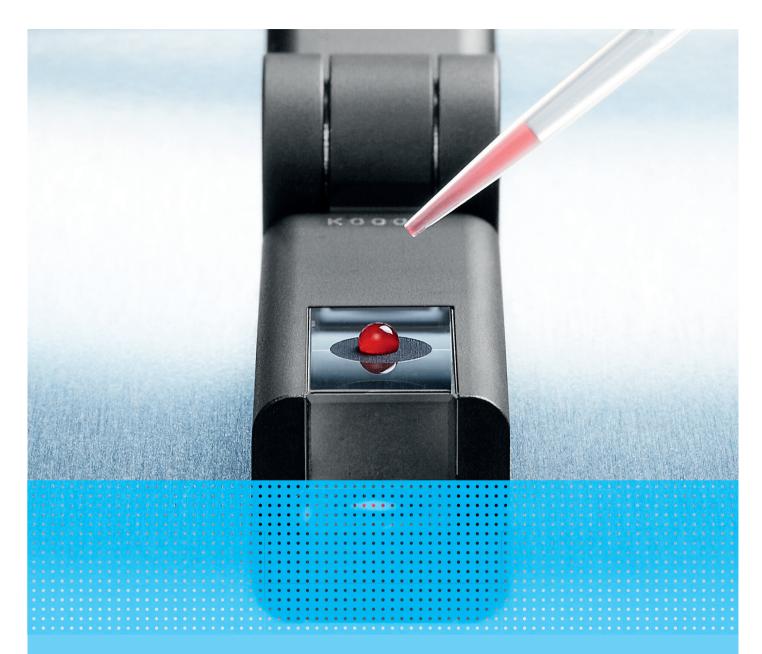
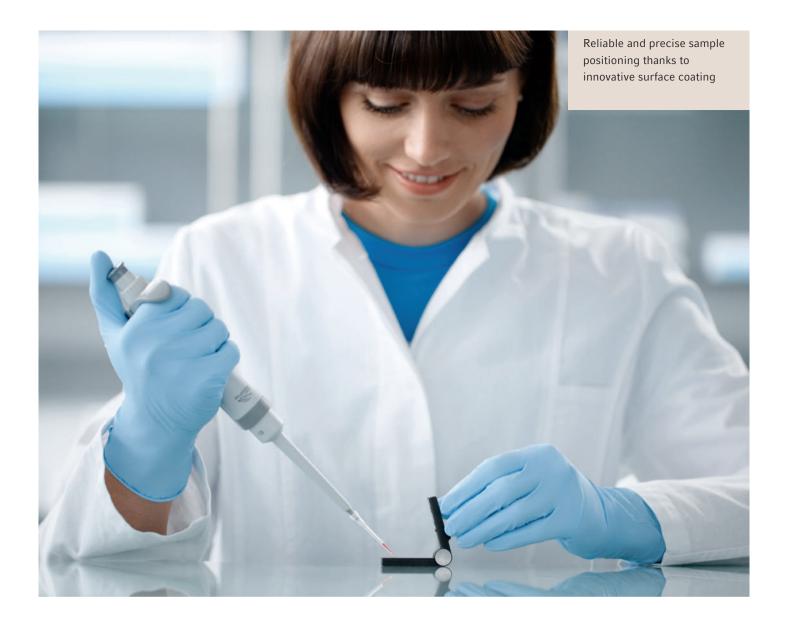
eppendorf



Less is More

Small sample volume, less effort: The new Eppendorf µCuvette™ G1.0



Shows Its True Potential During Use

The Eppendorf μ Cuvette G1.0 microliter measuring cell is particularly well suited for measuring high concentrations in the smallest volumes. The μ Cuvette G1.0 has been exclusively developed for the Eppendorf BioPhotometer® and Eppendorf BioSpectrometer®.

Eppendorf's expertise and extensive experience in the field of photometry is demonstrated by the optimized functionality of the optical properties of both the device and cuvette. The μ Cuvette G1.0 features an optical path length of only 1 mm, which is 10 times shorter than the light path length of standard cuvettes.

For example, this allows nucleic acid concentrations to be measured with high reproducibility in a much higher concentration range without prior dilution. Only 1.5 μL of a sample is required for the measurement.

Product characteristics:

- > Microvolume measuring cell for measuring sample volumes \geq 1.5 μL
- > Highly reliable and reproducible measuring results due to simple handling
- > One component hinged design, prevents the loss of individual parts
- > A defined angle for folding the sides of the cuvette guarantees reproducible handling
- > Simple cleaning minimizes the risk of sample carry-over
- > Exclusively available for Eppendorf BioPhotometer and BioSpectrometer



Technical	specifications
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Material	Quartz glass and aluminum	
Coating	Hydrophobic surface coating	
Measuring range	180 nm-2,000 nm*1	
Volume	≥ 1.5 µL dsDNA; ≥ 3 µL protein	
DNA detection limit	2.5 ng/μL (= 0,005A)*²; 25 ng/μL (=0.05 A)	
DNA max. concentration	1,500 ng/µL (= 3.0 A)	
Height of light beam	8.5 mm	
Optical window	2	
Layer thickness	1 mm (± 0.03)	
Basic absorbance	≤ 0.1 A at 230 nm; ≤ 0.05 A at 260 nm	
External dimensions (W \times D \times H)	12.5 mm × 12.5 mm × 48 mm	
Device compatibility	Exclusively available for Eppendorf spectrometers/photometers: BioPhotometer and BioSpectrometer	
Methods	Quantification of nucleic acids and proteins (A 280 nm), colorimetric protein determination	

¹¹ Measurable wavelength range depends on the measuring range of the used photometer ²² Performance according to the BioPhotometer/BioSpectrometer technical specifications



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Ord	erino	i into	rmation

Description	International Order no.	North America Order no.
Eppendorf μCuvette™ G1.0		
Eppendorf microvolume measuring cell for Eppendorf BioPhotometer and BioSpectrometer	6138 000.018	6138000018
Eppendorf BioSpectrometer® basic		
230 V/50–60 Hz, mains plug for Europe, additional mains/power connections available	6135 000.009	_
120 V/50–60 Hz, mains plug for North America	6135 000.017	6135000017
Eppendorf BioSpectrometer® kinetic		
230 V/50–60 Hz, mains plug for Europe, additional mains/power connections available	6136 000.002	_
120 V/50–60 Hz, mains plug for North America	6136 000.010	6136000010
Eppendorf BioPhotometer® plus		
230 V/50–60 Hz, mains plug for Europe, additional mains/power connections available	6132 000.008	_
120 V/50–60 Hz, mains plug for North America	6132 000.016	952000006
UVette® 220 nm-1,600 nm		
Original Eppendorf disposable cuvette, individually packaged, certified PCR clean and protein-free, 80 pcs.	0030 106.300	952010051
UVette® routine pack 220 nm-1,600 nm		
Eppendorf Quality purity grade, disposable box, 200 pcs.	0030 106.318	952010069
Eppendorf μCuvette [™] G1.0 & Eppendorf BioPhotometer® plus		
Eppendorf microvolume measuring cells and BioPhotometer plus,		
230 V/50–60 Hz, mains plug for Europe, additional mains/power connections available	6132 000.961	_
120 V/50–60 Hz, mains plug for North America	6132 000.962	6132000996
Eppendorf μCuvette [™] G1.0 & Eppendorf BioSpectrometer® basic		
Eppendorf microvolume measuring cells and BioSpectrometer basic,		
230 V/50-60 Hz, mains plug for Europe, additional mains/power connections available	6135 000.904	_
120 V/50–60 Hz, mains plug for North America	6135 000.905	6135000923

Your local distributor: www.eppendorf.com/contact Eppendorf AG \cdot 22331 Hamburg \cdot Germany

eppendorf@eppendorf.com

www.eppendorf.com/cuvette