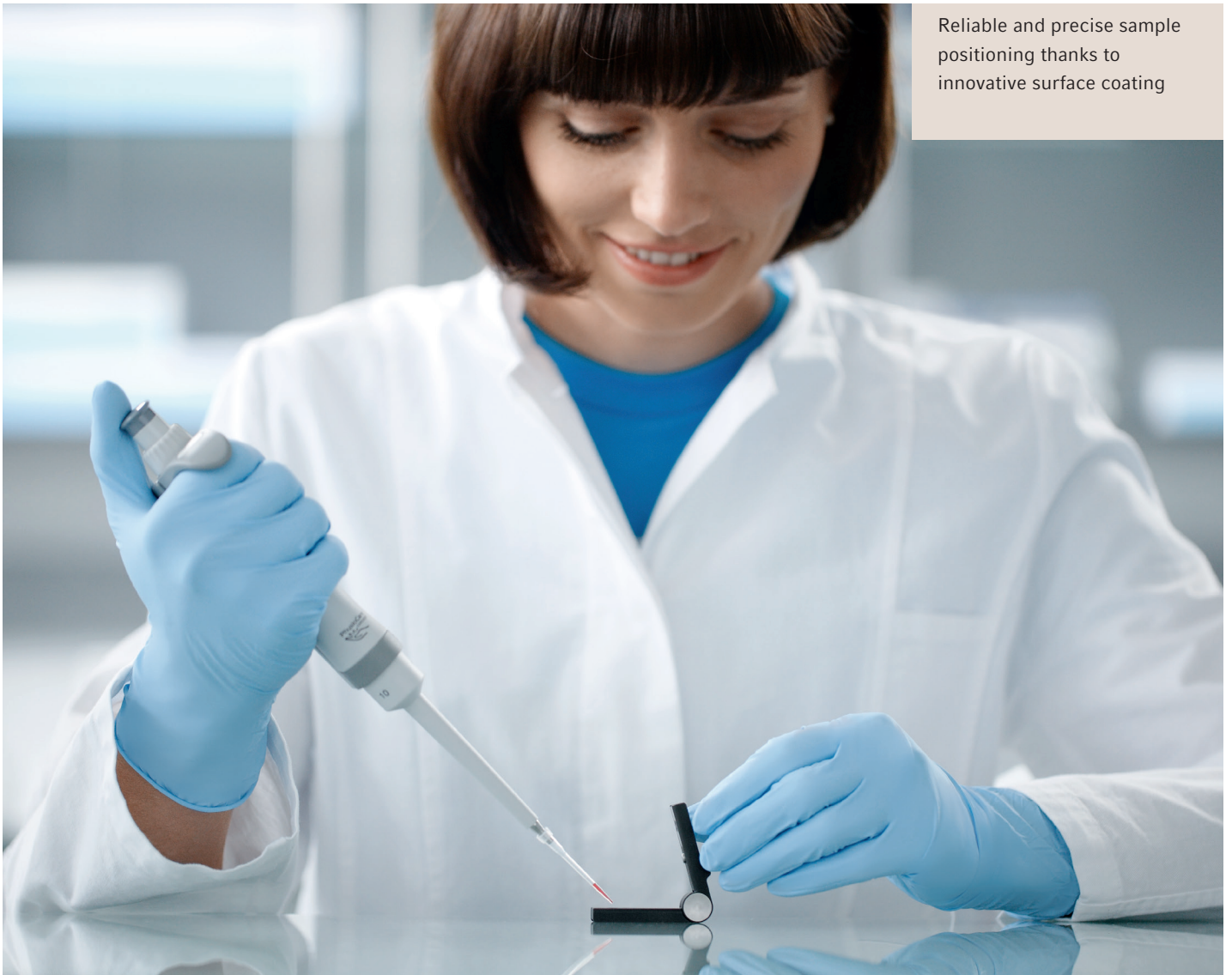


# Less is More

Small sample volume, less effort:  
The new Eppendorf  $\mu$ Cuvette™ G1.0



Reliable and precise sample positioning thanks to innovative surface coating

## Shows Its True Potential During Use

The Eppendorf  $\mu$ Cuvette G1.0 microliter measuring cell is particularly well suited for measuring high concentrations in the smallest volumes. The  $\mu$ 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  $\mu$ 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  $\mu$ L of a sample is required for the measurement.

### **Product characteristics:**

- > Microvolume measuring cell for measuring sample volumes  $\geq 1.5 \mu\text{L}$
- > 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

## Eppendorf $\mu$ Cuvette G1.0



Positioning aid for placing the cuvette in the cuvette shaft and improved grip when unfolded.

The hinged design tightly connects both sides of the cuvette to each other and specifies a defined angle for folding the unit.

Hydrophobic surface coating on quartz glass guarantees simple cleaning and the precise formation and positioning of the sample volume.

### Technical specifications

Material	Quartz glass and aluminum
Coating	Hydrophobic surface coating
Measuring range	180 nm–2,000 nm* <sup>1</sup>
Volume	≥ 1.5 $\mu$ L dsDNA; ≥ 3 $\mu$ L protein
DNA detection limit	2.5 ng/ $\mu$ L (= 0,005A)* <sup>2</sup> ; 25 ng/ $\mu$ L (=0.05 A)
DNA max. concentration	1,500 ng/ $\mu$ L (= 3.0 A)
Height of light beam	8.5 mm
Optical window	2
Layer thickness	1 mm ( $\pm$ 0.03)
Basic absorbance	≤ 0.1 A at 230 nm; ≤ 0.05 A at 260 nm
External dimensions (W × D × 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

\*<sup>1</sup> Measurable wavelength range depends on the measuring range of the used photometer  
<sup>2</sup> Performance according to the BioPhotometer/BioSpectrometer technical specifications

**Ordering information**

Description	International Order no.	North America Order no.
<b>Eppendorf <math>\mu</math>Cuvette™ G1.0</b> Eppendorf microvolume measuring cell for Eppendorf BioPhotometer and BioSpectrometer	6138 000.018	613800018
<b>Eppendorf BioSpectrometer® basic</b> 230 V/50–60 Hz, mains plug for Europe, additional mains/power connections available 120 V/50–60 Hz, mains plug for North America	6135 000.009 6135 000.017	– 613500017
<b>Eppendorf BioSpectrometer® kinetic</b> 230 V/50–60 Hz, mains plug for Europe, additional mains/power connections available 120 V/50–60 Hz, mains plug for North America	6136 000.002 6136 000.010	– 613600010
<b>Eppendorf BioPhotometer® plus</b> 230 V/50–60 Hz, mains plug for Europe, additional mains/power connections available 120 V/50–60 Hz, mains plug for North America	6132 000.008 6132 000.016	– 95200006
<b>UVette® 220 nm–1,600 nm</b> Original Eppendorf disposable cuvette, individually packaged, certified PCR clean and protein-free, 80 pcs.	0030 106.300	952010051
<b>UVette® routine pack 220 nm–1,600 nm</b> Eppendorf Quality purity grade, disposable box, 200 pcs.	0030 106.318	952010069
<b>Eppendorf <math>\mu</math>Cuvette™ G1.0 &amp; Eppendorf BioPhotometer® plus</b> Eppendorf microvolume measuring cells and BioPhotometer plus, 230 V/50–60 Hz, mains plug for Europe, additional mains/power connections available 120 V/50–60 Hz, mains plug for North America	6132 000.961 6132 000.962	– 613200096
<b>Eppendorf <math>\mu</math>Cuvette™ G1.0 &amp; Eppendorf BioSpectrometer® basic</b> Eppendorf microvolume measuring cells and BioSpectrometer basic, 230 V/50–60 Hz, mains plug for Europe, additional mains/power connections available 120 V/50–60 Hz, mains plug for North America	6135 000.904 6135 000.905	– 6135000923

**Your local distributor: [www.eppendorf.com/contact](http://www.eppendorf.com/contact)**

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[www.eppendorf.com/cuvette](http://www.eppendorf.com/cuvette)