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Umsatzsteuer-Identifikationsnummer:
DE 143 450 657

Eppendorf Photometer Accessories, µCuvette G1.0

€2,241.00 plus VAT & Shipping

Product Images

Description

The **Eppendorf µCuvette G1.0** microvolume measuring cell is a high-quality cuvette made of aluminum and quartz glass.
It is the perfect tool for measuring high concentrations in small volumes. With an optical path length of only 1 mm, the µCuvette G1.0 offers an optical path length ten times smaller than standard cuvettes. Thus, nucleic acid concentrations can be measured reproducibly in a much higher concentration range without prior dilution.
Thanks to the hydrophobic coating of the quartz glass, only 1.5 µL of nucleic acid or 3 µL of protein sample is required to precisely form the liquid column. The self-absorption of the µCuvette G1.0 is very low, so that the entire measuring range of the photometer can be used. In addition, 5 µL of sample solution can be used for specific fluorometric assays, thus saving reagents.
In general, the lower the concentration of a sample, the stronger the optical path length must be. This physical model (the Lambert-Beer law) also states that the optical path used must be shortened when the sample concentration is very high so that enough light can pass through the sample and reach the detector. Microvolume measurements with light paths of 1 mm or less are recommended for concentrations above 25 ng/µL dsDNA.
If you are not sure which cuvette is right for your sample, visit our overview in About Detection and use the cuvette navigator to determine the correct cuvette. Don't forget that the BioSpectrometers and BioPhotometers accept standard cuvettes as well as the µCuvette G1.0. Thus, Eppendorf provides the flexibility needed to select the optimal light path length for determining a wide range of sample concentrations!

Additional Information

No.	VB-3770
Manufacturer (Brand)	Eppendorf
EAN	4058072682781
Transport temperature	Room temperature