



DNA-free water, PCR grade

For PCR amplification in combination with Molzym's DNA-free PCR-buffers or DNA-free mastermixes (Mastermix 16S).

For research use only

Cat. No. P-020-0003

10 x 1.7 ml

Product overview

Kit/Component

DNA-free water, PCR grade, DNA-free	
DNA-free water, PCR grade	10 x1.7 ml

Product description

DNA-free water, PCR grade is used for PCR amplification in combination with Molzym's DNA-free PCR buffers and reagents or DNA-free mastermixes (Mastermix 16S).

Stability

Stable at -15 to -25°C for 36 months.

Packaging, Storage and Handling

The purification of the DNA-free water, PCR grade and its confectioning are done under standard precautions for the avoidance of air-borne and handling-based DNA contaminations. Store vials at -15 °C to -25 °C upon receipt. For usage, the water is thawed at room temperature (18 to 25 °C) and stored at 4 °C. After removal of solution for use, freeze again for storage (-15 to -25 °C). Take care to maintain a DNA-free environment during opening the vials and handling the all PCR reagents. Use only certified bacterial DNA-free pipette tips and PCR consumables from Molzym for running the assay. Please contact Molzym for further information regarding our products and other suppliers of DNA-free plastic consumables.

Quality control and specifications

Quality control is done by using DNA-free water in a universal 16S rDNA PCR analysis (see Mastermix 16S Complete, Molzym, cat#: S-020-0100). Negative PCR controls using DNA-free water instead of template DNA are used for analysis of contamination of bacterial DNA in the DNA-free water. Guarantee is given for the absence of signals in negative controls at a rate of $\geq 97\%$ for up to 38 PCR cycles (provided the avoidance of contamination by handling errors). In negative control runs, the absence of banding in gel electrophoretic analysis must be demonstrated. Positive controls are run using known amounts of genomic DNA extracted and purified by PrestoSpin D Bug kit (Molzym GmbH & Co.KG, cat#: D-040-050) from *Staphylococcus aureus* or other bacteria. Alternatively, use Molzym's DNA positive control (cat#: S-200-050).

Patents/Disclaimer

Some applications, in particular Real-Time PCR, in which this product may be used are covered by patents issued and applicable in certain countries. Because purchase of this product does not include a license to perform any patented application, users of this product may be required to obtain a patent license depending upon the particular application and country in which the product is used. Patents especially to be mentioned are those for Real-Time PCR and the use of intercalating fluorescent dyes and probes: EP 543942, EP 919565, US 5210015, US 5487972, US 5804375, US 6214979, EP 512 334, US 5994056, US 6171785, US 5538848, US 5723591, US 5952202, US 5876930, US 6030787, US 6258569, US 6821727.

Please address any questions relating the mastermix to the support hotline:

Email: support@molzym.com / Tel.: +49(0)421-696162-0