DNase/RNase Free Water

REF PL.5901 Series REF PL.5902 Series

PRODUCT INFORMATION SHEET

INTENDED USE
For use in molecular biology applications including PCR, RT-PCR, nucleic acid dilution, and enzyme reaction setup.

DESCRIPTION
DNase/RNase-free water is high-purity molecular biology grade water suitable for applications requiring nuclease-free conditions, including PCR, RT-PCR, qPCR, and other RNA-sensitive workflows.

Water is prepared in a proprietary process, designed to remove nucleases, microorganisms, and other biological contaminants without the use of chemical treatments such as DEPC.

MATERIALS PROVIDED
DNase/RNase-free water supplied in a sterile, nuclease-free container of 1L. Each lot is labelled with lot number and expiry date.

STABILITY AND STORAGE
The product is stable under recommended storage conditions of 15–30 °C.
Containers should remain tightly closed and protected from contamination.
Once opened, material should be handled using nuclease-free techniques to prevent environmental contamination.
Shelf-life is defined based on stability testing and is confirmed through ongoing quality monitoring.

WARNINGS AND PRECAUTIONS
- For research use only.
- Do not use after the expiration date shown on the label.
- The procedures, storage conditions, precautions and limitations specified in these directions must be followed to obtain valid test results.
- Do not use if any signs of contamination observed.
- Avoid introduction of nucleases through improper handling.
- Do not return used aliquots to original container.

QUALITY CONTROL
Each lot of DNase/RNase-free water is manufactured under controlled conditions and tested to confirm absence of detectable DNase and RNase activity.
Testing is performed using validated enzymatic assays with sensitivity appropriate for trace nuclease detection.
Only lots that meet internal release specifications are approved for distribution.

LIMITATIONS OF USE
- This product is intended for molecular biology research applications only.
- DNase/RNase-free status is guaranteed at the time of manufacture; performance may be affected by improper handling or contamination after opening.
- No guarantee of nuclease-free status is provided following user exposure to non-sterile environments or consumables.
- Not intended for diagnostic or therapeutic use.

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