

PRODUCT INFORMATION

DEPC-treated Water,
molecular biology grade

Lot: _____

Store at -20°C

In total _ vial(s).

PRODUCT USE LIMITATION

This product is developed, designed and sold exclusively *for research purposes and in vitro use only*. The product was not tested for use in diagnostics or for drug development, nor is it suitable for administration to humans or animals. Please refer to www.thermoscientific.com/onebio for Material Safety Data Sheet of the product.

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Description

DEPC-treated Water is deionized, high quality, molecular biology grade water.

Note. DEPC-treated Water is not recommended for PCR or *in vivo* experiments.

CERTIFICATE OF ANALYSIS

Tested in transcription reaction.

Nicking Activity Assay

No detectable conversion of covalently closed circular DNA to nicked DNA was observed after incubation of DEPC-treated water with 1 µg of pBR322 DNA in 50 µl of reaction buffer (33 mM Tris-acetate (pH 7.9), 10 mM magnesium acetate, 66 mM potassium acetate) for 4 hours at 37°C.

Labeled Oligonucleotide (LO) Assay

No detectable degradation of 5 pmol single-stranded and 5 pmol double-stranded [³²P] labeled oligonucleotide (17-mer) was observed after incubation of DEPC-treated water for 16 hours in 10 µl of Thermo Scientific Tango buffer at 37°C and 55°C.

Ribonuclease Assay

No detectable radioactivity was released into the trichloroacetic acid-soluble fraction after incubation of DEPC-treated water with 1 µg of *E.coli* [³H]-RNA (40000 cpm/µg) in 50 µl of reaction buffer (33 mM Tris-acetate (pH 7.9), 10 mM magnesium acetate, 66 mM potassium acetate) for 4 hours at 37°C.

Quality authorized by:

Jurgita Zilinskiene

