

Water, nuclease-free

Catalog #: MB018
Size: 500ml/100ml/1ml
Storage: RT

Description

This product is designated as a Molecular Biology Reagent and is suitable for molecular biology applications. This product has been analyzed for the absence of nucleases and proteases, and has undergone bioburden analysis. It has not been treated with diethyl pyrocarbonate (DEPC). Nuclease-free water is essential to preserve the sample integrity for applications such as PCR, cloning, sequencing, or gene editing.

Our nuclease-free water has undergone purification via activated carbon, reverse osmosis deionization, ultraviolet disinfection, and quintuple distillation. This ultra pure water is filtered through a 0.1 µm membrane filter.

Specification

CAS Number:	7732-18-5
MDL:	MFCD00011332
Formula:	H ₂ O
Formula Weight:	18.02 g/mol
Appearance (Turbidity)	Clear
Appearance (Color)	Colorless
Appearance (Form)	Liquid
DNase, Exonuclease	None Detected
NICKase, Endonuclease	None Detected
RNAse	None Detected
Protease	None Detected

Application

Nuclease-free water has been used in cDNA synthesis and PCR amplification for the dilution of rumen DNA sample prior to qPCR assay in PCR (polymerase chain reaction) and agarose gel electrophoresis for the elution of RNA during RNA isolation.

Features and Benefits

- Nuclease-free
- DNase-free, RNase-Free and protease-free
- Not DEPC treated
- 0.1 µm membrane filtered
- Prepared from quintuple distilled and deionized water
- Suitable for use in molecular applications

FOR RESEARCH USE ONLY, NOT FOR USE IN DIAGNOSTIC AND THERAPEUTIC PROCEDURES