

Technical Information

Water, Sterile, Molecular Biology Grade DEPC treated, Nuclease and Protease free

Product Code:TCL1016

Application:-

Molecular Weight: 18.02

Molecular Formula: H₂O

CAS number: 7732-18-5

TCL1016, Water, Molecular biology grade is sterile filtered water treated with 0.1% Diethylpyrocarbonate (DEPC). It is prepared by passing water through continuous process which includes water pretreatment, reverse osmosis, deionisation, and filtration. It is produced specifically for molecular biology applications like DNA/RNA purification, protein applications and experiments involving RNA. DEPC inactivates RNases by carboxylation of specific amino acid side chains in the protein.

Quality control

Appearance

Colorless, clear liquid.

pH

5.00 -7.00

Sterility

No bacterial or fungal growth is observed after 14 days of incubation, as per USP specification.

DNases/ RNases/ Proteases

Not detected

Storage and Shelf Life

Store at 15 - 30°C.

Shelf life of the product is 36 months.

Use before expiry date given on the product label.

Disclaimer :

- User must ensure suitability of the product(s) in their application prior to use.
- The product conforms solely to the technical information provided in this booklet and to the best of knowledge research and development work carried at **CDH** is true and accurate.
- **Central Drug House Pvt. Ltd.** reserves the right to make changes to specifications and information related to the products at any time.
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- Do not use the products if it fails to meet specifications for identity and performance parameters.