

**Molecular Biology Grade Water  
(DEPC-treated)**

<u>Product Name</u>	<u>Product Code</u>	<u>Kit Packing</u>
Molecular Biology Grade Water	ML024-100ML	100ml
	ML024-500ML	500ml
	ML024-10X100ML	10X100ml
	ML024-10X500ML	10X500ml

**Introduction:** Molecular Biology Grade water is suitable for use in molecular biology applications where high quality of water is required and should be free from DNase, RNase and protease contamination.

**Description:** Water is one of the elemental solvents which is extensively used in preparing solutions. Molecular Biology Grade Water is suitable for use in all kind of molecular biology applications where high quality of water is required. Each lot of this product is treated with DEPC and rigorously tested for contaminating DNase, RNase and protease. For this reason, this product serves as a reliable contamination-free source for all kinds of DNA and RNA experiments.

**Application:** Molecular biology grade water is ideal for the preparation of reagents, rinsing glassware and plasticware, and other molecular biology applications where RNase, DNase, and Protease-free water is required. It is widely used for several fundamental procedures like PCR, gel electrophoresis, DNA sequencing etc.

**Composition:** DEPC-treated water is autoclaved twice to ensure sterility and inactivation of DEPC. Finally, the product is filtered through 0.22-micron filter.

**NOTE:** A slight ethanol odor may be observed in DEPC-treated water after autoclaving, but most commonly a sweet, fruity smell which might be because of volatile esters formed by the EtOH by-product which combines with trace carboxylic acid. It does not mean that trace DEPC remains in the solution.

**Properties:**

- Appearance : Colorless solution
- Clarity : Clear and free of particles
- DNase & RNase : None detected
- Sterility : No bacterial or fungal growth is observed after 14 days of incubation as per USP specifications.
- Suitability Test : This reagent has been tested and is suitable for use in Molecular biology applications.

**Storage:**

Molecular Biology Grade Water has to be stored at (15-25°C). Under recommended condition, the reagent is stable for 48 months.

**Warning and Precautions**

Not for Medicinal Use. Read the SDS carefully before beginning the protocol. Wear protective gloves/protective clothing/eye protection/face protection. Follow good clinical laboratory practices while handling clinical samples. Standard precautions should be followed as per established guidelines. Safety guidelines may be referred in safety data sheets of the product.

**Performance and Evaluation**

Performance of the solution is expected when the solution is stored at recommended temperature and within the expiry period.









**Safety Information**

The Molecular Biology Grade Water is for laboratory use only, not for drug, household or other uses. Take appropriate laboratory safety measures and wear gloves and safety goggles when handling. Not compatible with disinfecting agents containing bleach. Please refer the Safety Data Sheet (SDS) for information regarding hazards and safe handling practices.

**Technical Assistance**

At HiMedia we pride ourselves on the quality and availability of our technical support. For any kind of technical assistance, mail at [mb@himedialabs.com](mailto:mb@himedialabs.com).

## Symbol

	Manufacturer		Do not use if package is damaged
	Batch code		Temperature limit
	Date of manufacture (YYYY-MM)		Consult instructions for use
	Use-by date (YYYY-MM)		Catalogue number

Identification No.: PIML024

Rev No.: 03

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### Disclaimer :

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