

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

<u>Product Name</u>	<u>Product Code</u>	<u>Kit Packing</u>
Molecular Biology Grade Water (Non DEPC-treated)	ML064-100ML	100ml
	ML064-500ML	500ml
	ML064-10X100ML	10X100ml
	ML064-10X500ML	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 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:

Molecular Biology Grade water is autoclaved to ensure sterility. Finally, the product is filtered through 0.2-micron filter. **This product is not treated with DEPC.**

Note: ML064 is manufactured using ultra-pure water with the conductivity $\leq 0.05 \mu\text{S/m}$.

Specifications:

Appearance/color/clarity:	: Colorless clear solution and free of particles
Nuclease & Protease	: None detected
Absorbance at 254 nm	: ≤ 0.001
Residue on ignition	: Nil
Silica (SiO ₂) content (mg/l)	: ≤ 0.01
pH	: 5.0 – 7.0

Total plate count : No growth
Sterility : No bacterial or fungal growth is observed after 14 days of incubation as per USP specifications.

Storage conditions:

Molecular Biology Grade Water (Non DEPC-treated) has to be stored at room temperature (15-25°C). Under recommended condition, the reagent is stable for 24 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 (Non DEPC-treated) 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.

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.: PIML064

Rev No.: 07

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Disclaimer :

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