Molecular Biology Grade Water

Catalog #:	351-029-721EA	100mL
	351-029-721	4 x 100mL
	351-029-101	500mL
	351-029-101CS	10 x 500mL
	351-029-131	1000mL
	351-029-131CS	10 x 1000mL
	351-029-491	4L
	351-029-151	10L
	351-029-161	20L
Store at:	15°C to 30°C	
Shipped at:	ambient temperature	

Description

Quality Biological's (QBI) Molecular Biology Grade (MBG) Water, Ultra-Pure is prepared by reverse osmosis, passed through fine carbon, deionized through two resin beds, and serially filtered twice through 0.2µm positively charged membranes, to yield a product with an endotoxin level of less than 0.003ng/mL (equivalent to 0.03 EU/mL).

Applications

MBG Water, Ultra-Pure can be used to reconstitute nucleic acids and/or proteins. In addition, it can be used as a diluent or solvent for any molecular biology grade biochemical. The following are three examples of situations where MBG Water may be usefully employed:

- *RNA applications* (e.g., preparation of an RNA probe)[3]
- *DNA applications* (e.g., subcloning in pUC plasmids)[3]
- *Protein applications* (e.g., Western Blotting)[3]

Quality Control

General

The quality of a product is a combination of careful selection of raw materials, proper manufacturing procedures, and diligent monitoring of each step.

All QBI products for Molecular Biology are prepared according to standard published protocols[1,2] or to formulations provided by customers.

Quality Control is used to determine whether each step in the manufacturing process has been properly carried out and the finished product meets or exceeds the standards established for it.

Product Specific Testing

Molecular Biology Grade (MBG) Water, Ultra-Pure is routinely tested for the absence of DNase, RNase, and Protease activity.

The test results of individual lots of Molecular Biology Grade (MBG) Water *are available on the QBI website.*

Quality Biological, Inc. 7581 Lindbergh Drive, Gaithersburg, MD 20870
(800) 443-9331 ● (301) 840-9331 ● Fax: (301) 840-0743 ● e-mail: TechnicalService@qualitybiological.com

References

1. Sambrook, J., Fritsch, E.F. & Maniatis, T. (1989) *Molecular Cloning, a Laboratory Manual, 2nd Edition.,* Cold Spring Harbor Press
2. Ausubel, F.M. et al., eds. (1993) *Current Protocols in Molecular Biology.* Green Publishing Associates, Inc., in association with John Wiley & Sons, Inc.
3. Davis, L.G. Dibner, M.D. & Battey, J.F. (1986) *Basic Methods in Molecular Biology.* Elsevier Science Publishing Company, Inc.

Related Products

DEPC Treated Water

Catalog #	351-065-721EA	100mL
	351-068-721	Pack of 4 x 100mL
	351-068-131	1000mL
	351-068-131CS	10 x 1000mL
	351-068-491	4 Liters
	351-068-151	10 Liters
	351-068-161	20 Liters

All products sold by Quality Biological, Inc. are intended for research use only. This product has not been approved for diagnostic or IVD use.

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