

# Water for Molecular Biology

Certified water quality from an ISO® 9001 / cGMP environment



## Key Benefits

- Certified water quality: Each bottle is delivered with a Certificate of Quality. Strict quality control tests and production in an ISO® 9001 / cGMP environment provide high quality water for critical molecular biology experiments.
- Trusted manufacturer: Manufactured by Merck Millipore, leader in water purification and molecular biology products.
- Easy traceability: one label can be peeled off and affixed to a laboratory notebook for traceability in experiments.
- Volume range adapted to user needs: available in 1L, 0.5 L and 125 mL bottles in different package sizes.

Sterile - RNase-free - DNase-free - Protease-free - Calcium-free - Magnesium-free - RT-PCR Tested

## Proprietary Production Process

A Merck Millipore proprietary process is used in the production process. This process yields DNase-, RNase- and protease-free sterile ultrapure water without the need for chemicals such as DEPC (diethylpyrocarbonate), a toxic nuclease inhibitor that contaminates water with ions and organics. The water is aseptically filled into sterile, nuclease- and protease-free PET containers.

## Certified Water Quality

Water for Molecular Biology is prepared using our unique combination of knowledge and expertise in a variety of areas: water purification; sterilizing filtration; aseptic filling and sterility testing; biochemistry; and cell culture and molecular biology applications. When this knowledge is used to produce and control bottled water in an ISO 9001 / cGMP validated environment, it constitutes the warranty of an adequate solution for small-volume users.

Water quality has been validated by RT-PCR and every lot is tested for sterility, resistivity, and TOC, as well as the absence of RNases, DNases and proteases. Products are delivered with a Certificate of Quality describing the test procedure, specifications and test results in detail. A complete Validation Guide is available upon request.\*

Traceability is easy thanks to a duplicate label. Just peel it off the bottle and affix it to a laboratory notebook page for clear identification of water quality and lot number used for experiments.

## Water Use, Storage and Stability

Merck Millipore Water for Molecular Biology is intended for research use only.

When working with the bottled water, proper precautions are recommended (such as the use of sterile, disposable laboratory products) in order to avoid contamination by potential sources of DNases, RNases and proteases.

Bottles should be stored at room temperature and water can be used for its intended purpose for at least two years after the manufacturing date. A place for handwritten identification of the opening date is conveniently located on the label.



## Ordering Information

Catalogue No.	Description
H20MB1001	Ultrapure Water for Molecular Biology, PCR & RT-PCR tested, delivered sterile, nuclease-free, protease-free, calcium-free and magnesium-free – 1 L bottle
H20MB1006	Ultrapure Water for Molecular Biology, PCR & RT-PCR tested, delivered sterile, nuclease-free, protease-free, calcium-free and magnesium-free – pack of 6 x 1 L bottles
H20MB0501	Ultrapure Water for Molecular Biology, PCR & RT-PCR tested, delivered sterile, nuclease-free, protease-free, calcium-free and magnesium-free – 0.5 L bottle
H20MB0506	Ultrapure Water for Molecular Biology, PCR & RT-PCR tested, delivered sterile, nuclease-free, protease-free, calcium-free and magnesium-free – pack of 6 x 0.5 L bottles
H20MB0106	Ultrapure Water for Molecular Biology, PCR & RT-PCR tested, delivered sterile, nuclease-free, protease-free, calcium-free and magnesium-free – pack of 6 x 0.125 L bottles
H20MB0124	Ultrapure Water for Molecular Biology, PCR & RT-PCR tested, delivered sterile, nuclease-free, protease-free, calcium-free and magnesium-free – pack of 24 x 0.5 L bottles

\*For more information, please visit our web site: [www.millipore.com/waterformolecularbiology](http://www.millipore.com/waterformolecularbiology)

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