

Certificate of Analysis



SCIENTIFIC

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MOL. BIOLOGY GRADE WATER

PRODUCT NUMBER

IB42140 _____ 10L

LOT NO.

Lot# _____ 20DC1214E

STORAGE

Store at room temperature.

DESCRIPTION

Water purified with RO, CDI, 18.2megohm, UV-treated, filtered through 0.1µm filter into the final packaging, and autoclaved.

SPECIFICATIONS

| | Specification | Analysis | Disposition |
|-------------------|-----------------------------|---------------|-------------|
| Nuclease Activity | DNase & RNase on 2% Gel | None Observed | PASS |
| Sterility | Biological Activity | None Observed | PASS |
| pH | 10ml sample after autoclave | 5.0 - 7.5 | PASS |
| Appearance | Visual Inspection | Clear | PASS |

PROPERTIES

Molecular Biology Grade Water is manufactured under stringent conditions. The purification process for this product includes continuous deionization, reverse osmosis, UV-treatment, 0.1µm filtration, followed by steam sterilization in an autoclave.

QUALITY CONTROL

Certified Molecular Biology Grade Water is tested for non-specific Endonuclease/ Nickase Activity. None detected after 14-16hr incubation with super coiled plasmid DNA, analyzed on an agarose gel. It is also tested for No Exonuclease Activity detected after 14-16hr incubation with fragments of pUC 19, DNA ladder, RNA ladder and genomic DNA. No RNase, DNase activity was detected after 8, 14, and 24hr incubation with RNA/DNA, analyzed by PAGE.

DATE OF

Release Date: _____ 12/15/2020

Reassay Date: _____ 12/2023

CERTIFICATION

We certify that this batch conforms to the specifications listed above and has been reviewed by a quality representative. This document has been electronically produced and signed by IBI SCIENTIFIC.

Toby Frericks
Quality Control

01/05/21
Date

FOR RESEARCH AND DEVELOPMENT PURPOSES ONLY

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