

Certificate of Analysis



SCIENTIFIC

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MOL. BIOLOGY GRADE WATER

PRODUCT NUMBER

IB42120 _____ 1L

LOT NO.

Lot# _____ 22DC0210

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	$10^{-3} - 10^{-6}$	\leq SAL 10^{-3}	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: _____ 02/11/2022

Reassay Date: _____ 02/2025

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

03/14/22
Date

FOR RESEARCH AND DEVELOPMENT PURPOSES ONLY

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