Certificate of Analysis



An ISO 9001 Certified Company

MOL. BIOLOGY GRADE WATER

PRODUCT NUMBER	/
IB42140	

10L

LOT NO.

Lot# _____

20DC0324A

STORAGE

Store at room temperature.

DESCRIPTION

Water purified with RO, CDI, 18.2megohm, UV-treated, filtered through $0.1 \mu m$ 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
рН	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, 0.1μ m 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:_	03/24/2020
Reassay Date:	03/2023

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.

Building Quality Scientific.

Toby Frerícks Quality Control <u>04/17/20</u> Date

FOR RESEARCH AND DEVELOPMENT PURPOSES ONLY

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