

# Certificate of Analysis



SCIENTIFIC

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## MOL. BIOLOGY GRADE WATER

### PRODUCT NUMBER

IB42120 \_\_\_\_\_ 1L

### LOT NO.

Lot# \_\_\_\_\_ 21DC1011

### 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: \_\_\_\_\_ 10/12/2021

Reassay Date: \_\_\_\_\_ 10/2024

### 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

01/10/22  
Date

FOR RESEARCH AND DEVELOPMENT PURPOSES ONLY

Building Quality Scientific.