



Certificate of Analysis

PCR Grade Water

<u>Catalog #</u>	<u>Size</u>
IB42300	1.8ml
IB42301	20x1.8ml
IB42302	50x1.8ml
IB42303	100x1.8ml

Description: Water purified with RO, CDI, 18megohm, UV-treated, filtered through 0.1 μ m filter into final packaging, and autoclaved.

Storage: Store at room temperature.

Application: This product is ideally suited for all applications in a molecular biology lab including PCR, RT-PCR, restriction enzyme assays, modifying enzyme assays, transfection, cloning, transformation, and all general molecular biology lab procedures.

Properties: IBI water is manufactured under stringent conditions. The purification process for this product includes continuous deionization, reverse osmosis, UV-treatment, 0.1 μ m filtration, followed by steam sterilization in an autoclave.

Quality Control: Certified PCR 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.

Specification: IBI certifies that this product was inspected and that all inspection operations and testing have been complete, the product conforms to the specifications.

Result: Pass.

FOR RESEARCH AND DEVELOPMENT PURPOSES ONLY.

Not for use in diagnostic procedures.

This signature indicates that the above material has met all quality specifications and has been reviewed by a quality representative.

Signature: T. Frericks

Date: 10/24/2017