
	Document ID:	TDS-BWL-002-500ML	Version:	001
	Date of Issue:	10-JAN-2023	Approved by:	Dr. Iman Kamranfar
	Review Date:	10-JAN-2025	Signature:	
	Title:	<b>TECHNICAL DATASHEET</b>		

## Water for Molecular Biology

### DNase-, RNase-, and Protease-free

<b>Filtration, Treatment</b>	Deionized 0.1µm sterile filtered
<b>Product Code</b>	BWL-002-500ML
<b>Shelf Life</b>	4 years from DOM
<b>Storage Temperature</b>	2°C - 25°C
<b>Shipping Temperature</b>	ambient

## QC Specifications

Physical and Chemical Analysis	Method	Specifications	Units
Appearance	Visual	Clear, colourless liquid	n/a
pH at RT	Electronic pH Meter	5.0 – 8.0	n/a
Osmolality	Osmometer	< 1	mOsm/kg
DNase Activity	fluorophore JOE probe/agarose gel electrophoresis	Not detected	n/a
RNase Activity	fluorophore FAM probe/ agarose gel electrophoresis	Not detected	n/a
Protease Activity	FITC-labeled quantification	Not detected	n/a
<b>Sterility</b>			
Aerobic Bacteria	Internally Validated	Not detected	n/a
Anaerobic Bacteria	Internally Validated	Not detected	n/a
Fungi (Yeast & Mold)	Internally Validated	Not detected	n/a
Mycoplasma	qPCR	Not detected	n/a

This product contains no animal components in the containers or the product itself.

**Product Use:** This product is intended for laboratory use only.