

# Corning® High-quality Water

- Cell Culture Grade
- Molecular Biology Grade
- Reagent Grade

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Corning® high-quality water is manufactured in our Mediatech, Inc. facility. Products are manufactured under the current ISO 13485 standard and the FDA Quality System Regulation 21 CFR 820, current good manufacturing practices (cGMP). Corning high-quality water is available in a variety of sizes, and tested to specifications which may include USP and/or EP monograph requirements.

Corning offers a range of high-quality water products for small and large volume requirements. These products reduce the expense of installing and maintaining your own water system, or they can ensure you have a secondary source of water that meets your specifications.

## Cell Culture Grade Water

Cell culture grade water is high-quality water suitable for use as a solvent in the preparation of cell culture media and other reagents for sensitive applications. Our bioprocess container selections are suitable for large-scale applications such as cleaning and upstream and downstream reagent preparation. Cell culture grade water goes through a wide array of tests including the chemical and physical properties found in the USP and EP monographs for sterile Water for Injection (WFI).

### Tested to USP sterile WFI specifications

Cat. No.	Description	Size	Qty/Pk
25-055-CI	Water, cell culture grade	100 mL	6
25-055-CV	Water, cell culture grade	500 mL	6
25-055-CVC	Water, cell culture grade, with septum cap	500 mL	6
25-055-CM	Water, cell culture grade	1L	6
25-055-LB	Water, cell culture grade	20L	1
25-055-LG	Water, cell culture grade	100L	1
25-055-LH	Water, cell culture grade	200L	1

### Tested to USP and EP sterile WFI specifications

Cat. No.	Description	Size	Qty/Pk
25-065-LB	Water, cell culture grade	100 mL	6
25-065-LG	Water, cell culture grade	500 mL	6
25-065-LH	Water, cell culture grade	500 mL	6

## Molecular Biology Grade, USP Sterile Purified Water

Molecular biology grade water is ideal for applications where highly pure, RNase-, DNase-, and protease-free water is required (e.g., PCR and other molecular biology reactions setup, DNA/RNA/protein extraction, purification, and storage reagents). Molecular biology grade water is tested to the chemical and physical properties found in the USP monograph for sterile purified water.

Cat. No.	Description	Unit Size	Qty/Pk
46-000-CI	Water, molecular biology grade	100 mL	6
46-000-CV	Water, molecular biology grade	500 mL	6
46-000-CM	Water, molecular biology grade	1L	6

## Reagent Grade Water

Reagent grade water is suitable for the preparation of reagents, rinsing glassware and plasticware, cleaning electrodes, and other common laboratory tasks requiring highly pure, RNase-, DNase-, and protease-free water. To ensure product quality, reagent grade water is tested to the chemical and physical properties found in the USP monograph for purified water.

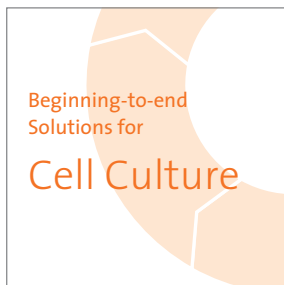
Cat. No.	Description	Unit Size	Qty/Pk
46-002-LF	Water, reagent grade	4L	2

## Testing Parameters

Specification	Cell Culture Grade Water		Molecular Biology Grade Water	Reagent Grade Water
	25-055	25-065	46-000	46-002
Mycoplasma	Tested negative	Tested negative	-	-
LM (plating efficiency)	Pass	Pass	-	-
Oxidizable Substances	Pass	Pass	Pass	Pass
Total Organic Carbon (before packaging) USP <643>	<500 ppb	<500 ppb	Test and Report	Test and Report
Water Conductivity (packaged water) USP <645>	✓	✓	✓	✓
Water Conductivity (before packaging) USP <645>	✓✓	✓✓	✓✓	✓✓
Endotoxin USP <85>	≤0.025 EU/mL	≤0.025 EU/mL	-	≤0.025 EU/mL
Sterility USP <71>	Pass	Pass	Pass	-
Particulate Matter USP <788>	≤25 particles/mL that are ≥10 μm in size ≤3 particles/mL that are ≥25 μm in size		-	-
RNase	-	-	None detected	None detected
DNase	-	-	None detected	None detected
Protease	-	-	None detected	None detected
Acidity-Alkalinity	-	Tested in accordance with EP	-	-
Chlorides	-	Pass	-	-
Nitrates	-	≤0.2 ppm	-	-
Sulfates	-	Pass	-	-
Ammonium	-	≤0.2 ppm	-	-
Calcium & Magnesium	-	Pass	-	-
Residue on Evaporation	-	≤3 mg (0.003%)	-	-

- ✓ Meets USP requirements
- ✓✓ Meets USP temperature/conductivity requirements

**Warranty/Disclaimer:** Unless otherwise specified, all products are for research use only. Not intended for use in diagnostic or therapeutic procedures. Corning Life Sciences makes no claims regarding the performance of these products for clinical or diagnostic applications.



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At Corning, cells are in our culture. In our continuous efforts to improve efficiencies and develop new tools and technologies for life science researchers, we have scientists working in Corning R&D labs across the globe, doing what you do every day. From seeding starter cultures to expanding cells for assays, our technical experts understand your challenges and your increased need for more reliable cells and cellular material.

It is this expertise, plus a 160-year history of Corning innovation and manufacturing excellence, that puts us in a unique position to offer a beginning-to-end portfolio of high-quality, reliable cell culture consumables.

For additional product or technical information, please visit [www.corning.com/lifesciences/media](http://www.corning.com/lifesciences/media) or call 1.800.235.5476.

**Mediatech, Inc.**  
 A Corning Subsidiary  
 9345 Discovery Boulevard  
 Manassas, VA 20109  
 t 800.235.5476  
 t 703.471.5955  
 f 703.467.9851  
[www.corning.com/lifesciences/media](http://www.corning.com/lifesciences/media)

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