



SpectraPor® Biotech Grade Cellulose Ester (CE) Dialysis Membrane



Repligen produces molecular porous Biotech Grade Cellulose Ester (CE) membranes in a large range of MWCO's specifically for critical MW separations using a proprietary casting process free of heavy metal and sulfur contaminants. The CE dialysis tubing is ultra-pure and does not require special cleaning or treatment.

Biotech Cellulose Ester (CE) dialysis tubing and kits

the largest selection of 9 concise MWCO's ranging from 0.1 – 1,000 kD, whether purifying small MW solutes or isolating large macromolecules or nanoparticles. Biotech CE membrane generally tolerates weak or dilute acids & bases and mild alcohols and is compatible with pH 2-9 and temp 4-37 °C. Exposure to most organic solvents is not recommended and should be confirmed on the Repligen [Chemical Compatibility table](#).

Simply soak and rinse in DI water, apply [Universal Tubing Closures](#) and load sample.



Features and benefits

High purity for critical and GMP dialysis - no heavy metals or sulfides

Rigidly controlled porosity for better selectivity & separations

No interference with macromolecular activity & function

No glycerin removal and no pretreatment required

Available in rolled tubing for economy and trial kits for evaluation

Typical Dialysis Applications for Biotech CE

Salt removal and HPLC sample preparation

pH change, buffer exchange and final formulation

Polymer synthesis and isolation (polypeptide, oligonucleotide, polysaccharide)

Biopolymer and hydrogel purification (hyaluronic acid, collagen, chitosan)

Large volume and GMP batch process dialysis

Enzyme activity and ligand binding studies

Drug dissolution and controlled release studies

DNA and Protein electroelution

Product specifications

Properties:	Mildly hydrophobic, symmetric porosity
9 MWCO's:	0.1-0.5 kD, 0.5-1.0 kD, 3.5-5 kD, 8-10 kD, 20 kD, 50 kD, 100 kD, 300 kD, 1000 kD
4 Flat Widths:	10 mm, 16 mm, 24 mm, 31 mm
Quantity & Packaging:	Wet in 0.05% sodium azide, 10 m/roll or 1 m/ trial kit (includes 2 closures)