

Spectra/Por® Biotech Grade Membranes:

Cellulose Ester (CE) & Regenerated Cellulose (RC)

Only Spectrum offers Biotech Grade dialysis membrane for those critical applications requiring stringent MWCO's and membrane purity. Since these synthetic membranes are made using a process free of heavy metal contaminants and sulfides, they are ultra-pure and require no cleaning or pre-treatment. Simply rinse with DI water, apply Universal Closures* and load sample! Spectrum offers 2 types of Biotech grade membrane to meet the different demands of laboratory dialysis applications: Cellulose Ester (CE) & Regenerated Cellulose (RC).

ADVANTAGES OF BIOTECH MEMBRANES

- Ultrapure for critical separations
- Rigidly controlled porosity
- 2 types available for different applications (CE & RC)
- Large MWCO selection (100 - 1,000,000 Daltons)



Biotech Cellulose Ester (CE) Membrane

Biologically inert & ultra-pure, Biotech CE Membrane offers the largest and best selection of pore ratings and sizes for isolating ionic species and macromolecular purifications. Of the 2 types, Biotech CE is more sensitive to harsh conditions and solvents. In general, CE membrane will tolerate weak or dilute acids & bases as well as mild alcohols with only a slight change to the MWCO. Exposure to organic solvents will damage the CE membranes. Biotech CE should only be used with pH 2-9 & temp 4-37°C. CE dialysis tubing is available in 9 concise MWCO's.

Biotech Regenerated Cellulose (RC) Membrane

Synthetic Biotech RC Membrane is crafted from a regeneration process that yields improved physical tolerances and chemical compatibilities with the same high purity and rigidly controlled MWCO's as Biotech CE. RC Membrane can be used with concentrated-weak acids & bases, dilute-strong acids & bases, most alcohols and some mild or dilute organic solvents. Exposure to strong polar or organic solvents may damage RC membranes. Biotech RC can be used with pH 2-12 & temp 4-60°C. Biotech RC is available in dialysis tubing with 3 concise MWCO's.

*Universal Closures required for use with Biotech Tubing



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