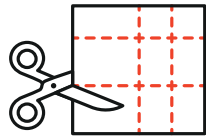


Introducing SpectraPor® Customized dialysis membranes

While off-the-shelf rolled dialysis tubing may be suitable for the occasional research or analytical dialysis, many multi-batch dialysis applications require frequent routine processing and handling of a **dialysis membrane to prepare it for a particular use or assembly step.**

Why change to Custom Membranes?



DESIGNED TO FIT YOUR SPECIFIC APPLICATION:

Pre-cut to sample specific lengths for convenience.
Inner pouch membrane quantity based on specific batch size and frequency.



SAVES PRODUCTION TIME AND MONEY:

Reduces manufacturing costs.



MINIMIZES MEMBRANE HANDLING AND PREPARATION:

Membranes are ready-to-use out of the box.



REDUCES RISKS OF SAMPLE CONTAMINATION AND LOSS

due to repeated opening and exposure of rolled membranes.

Also...

- Streamlines assembly production.
- Ensures batch-to-batch consistency.
- Eliminates left-over membrane scrap.

SpectraPor® Customized dialysis membranes for GMP manufacturers

Customized to each customer's requirements:

- Specified pre-cut lengths and batch quantity.
- Closures attached and/or included.
- Double pouched and batch-specific packaging.
- E-beam irradiation.

Spend more time dialyzing and less time preparing membranes ▶

Increase process efficiency

- Pre-cut, ready-to-use.
- Available in FW from 10 mm - 150 mm.
- From 1 cm to multi-meter lengths.



Optimize process economics

- No time spent measuring and cutting.
- No in-house sterilization required.
- No waste membrane with batch packaging.



Quality and risk mitigation

- E-beam irradiated for sterile processes.
- Virtually free of extractables and leachable.



Custom dialysis tubing and membranes



PRE-CUT DIALYSIS MEMBRANE:

Dialysis tubing and 1-ply membrane can be pre-cut into discs, sheets, strips or squares ready for assembly into assay kits, ready-to-use devices or dialysis apparatus.



PRE-ROLLED DIALYSIS MEMBRANE:

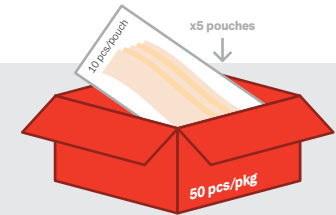
Dialysis tubing and 1-ply ribbon can be provided at a specified rolled length. For convenience, dialysis tubing closures can be applied and included within the individual pouches.



PRE-STERILIZED & GMP PACKAGING:

Dialysis tubing and 1-ply membrane can be batch pouched for GMP; and pre-irradiated to minimize the risk of microbial contamination during use.

BATCH PACKAGING:



APPLICATIONS:

- Large volume and GMP batch process dialysis.
- Biopolymer purification (hyaluronic acid, collagen, polysaccharides, polypeptides).
- Nanoparticles (Liposomes) and microparticles.
- Fragile macromolecule production (antibody, virus, complexes).
- Diagnostic assay devices and kits.
- Membrane for dialysis apparatus or dialyzer assembly.