

Product Selection Guide - GN Biosytems, Inc.

Dialysis membranes with molecular weight cut off (MWCO) of 3.5kDa, 8kDa and 14kDa are available for all dialysis products

| Product Name | Description | Product # |
|------------------------------------|---|---|
| XZ™ Dialysis Plate Products | | |
| 1x96 XZ™ Screening Plate | SBS format plate , one protein vs. 96 reagents, 6μl protein solution is needed to load 96 dialysis chambers; Reagent volume is 50μl/well. For protein crystallization screening experiments | XZ-S-96-3.5k, XZ-S-96-8k, XZ-S-96-14k |
| 1x96 XZ™ Optimization Plate | SBS format plate , one protein vs. 96 reagents, 15μl protein solution is needed to load 96 dialysis chambers; Reagent volume is 50μl/well. For screening and optimization experiments | XZ-O-96-3.5k, XZ-O-96-8k, XZ-O-96-14k |
| 1x24 XZ™ Growth Plate | SBS format plate , one protein vs. 24 reagents, 25μl protein solution is needed to load 24 dialysis chambers; Reagent volume is 500μl/well; For high throughput x-ray diffraction crystal growing experiments | XZ-G-24-3.5k, XZ-G-24-8k, XZ-G-24-14k |
| XZ™ Plate Starter Kit | A complete set of plates and accessories to start running dialysis protein crystallization experiments. The kit includes three 1x96 Screening Plates, three 1x96 Optimization Plates, three 1x24 Growth Plate and all the necessary accessories. | XZ-Kit-3.5k, XZ-Kit-8k, XZ-Kit-14k |
| 1x96 XZ™ Growth and Soaking Plate | SBS format plate , one protein vs. 96 reagents, 40μl protein solution is needed to load 96 dialysis chambers; Reagent volume is 160μl/well; For high throughput x-ray diffraction crystal growing and ligand soaking experiments. | XZ-G-96-3.5k, XZ-G-96-8k, XZ-G-96-14k |
| 1x4 XZ™ Growth Plate | one protein vs. 4 reagents; 5μl of protein solution is needed to load the 4 dialysis chambers; Reagent volume is 500μl. For x-ray diffraction crystal growing experiments. Other applications include desalting, detergent removal, buffer exchange, etc. | XZ-G-4-3.5k, XZ-G-4-8k, XZ-G-4-14k |
| 1x1 XZ™ Growth Plate | one protein vs. 1 reagent; 1.2μl of protein solution is needed to load the 1 dialysis chamber; Reagent volume is 500μl. For x-ray diffraction crystal growing experiments. Other applications include desalting, detergent removal, buffer exchange, etc. | XZ-G-1-3.5k, XZ-G-1-8k, XZ-G-1-14k |
| 1x96 XZ™ Dialysis Plate | SBS format plate , 96 samples vs. 96 reagents. Sample volume is 2-10μl; Reagent volume is 500μl/well; For low volume, high throughput dialysis experiments (i.e. 2D membrane protein crystallization, desalting, detergent removal, buffer exchange, etc). | XZ-D-8x12-3.5k, XZ-D-8x12-8k, XZ-D-8x12-14k |
| Accessories | | |
| Vacuum Tip | to connect vacuum source to XZ™ plates | XZ01-01 |
| Disposable Needles | to punctuate protein inlet film to initiate protein sample loading | XZ01-02 |
| Reagent Well Sealing Tape | 2 mil thick optically transparent sealing film for non SBS format XZ™ plates. The tape is a non-fluorescing polyester film with a 1 mil thick reagent-compatible acrylic adhesive. | XZ01-03 |
| Seal Tape Applicator | a 2" wide rigid plastic film applicator that can provide the best seal for the non SBS format XZ™ plates | XZ01-04 |
| XZ™ Plate Purge & Isolation Fluid | A protein crystallization compatible silicone liquid that is used to purge out residual protein solution in the microfluidic channel, and to ensure complete chamber to chamber isolation (especially helpful for protein solutions with surfactants) | XZ01-05 |
| Digital Vacuum Gauge | To monitor vacuum connection leaks and to ensure the sample loading vacuum is met. +/- 0.5% accuracy. | XZ01-06 |