

Purification

# POROS XS Strong Cation Exchange (CEX) Resin

## A leader in resolution and capacity

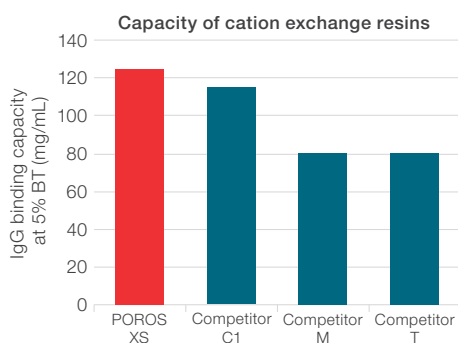
### A CEX resin that successfully combines exceptional capacity, resolution, and salt tolerance

With the Thermo Scientific™ POROS™ XS Strong Cation Exchange Resin, you can realize greater than 100 mg/mL of binding capacity for monoclonal antibodies and recombinant proteins.

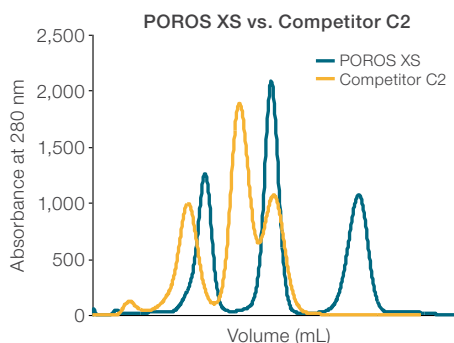
This resin allows exceptional resolution over a range of loads and conditions for high purity and yield.

### Key features include:

- High capacity over a broad range of process conditions
- Exceptional resolution, independent of load concentration or flow rate
- Thermo Scientific™ POROS™ resins are actively used in clinical and commercial processes

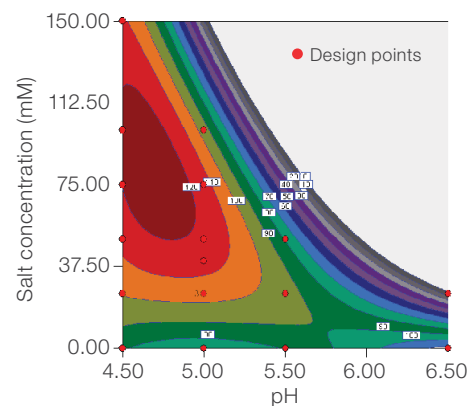


**Figure 1. High resolution is maintained as the linear flow rate increases.** Capacity of cation exchange resins: 100 mM NaCl, pH 4.5, 300 cm/H.



**Figure 2. The POROS XS resin delivers higher resolution than another competitor's product.** Column: 1 cm (D) x 20 cm (L); Buffer A: 20 mM MES, 25 mM NaCl, pH 6.2; Buffer B: 20 mM MES, 1 M NaCl, pH 6.2; Gradient: 10% B – 50% B 7.5 CV; Flow rate: 300 cm/H; Sample: chymotrypsinogen; cytochrome C; lysozyme.

**IgG binding capacity (mg/mL) vs. salt concentration and pH capacity at 5% breakthrough**



**Figure 3. A 5% breakthrough IgG binding capacity vs. salt concentration and pH.** High capacity is obtained under a wide range of process conditions. Column: 0.46 cm (D) x 20 cm (L); Buffer: 20 mM MES. Load conditions: 5 mg/mL IgG. Flow rate: 300 cm/hr.

**Ordering information**

Description	Volume	Cat. No.
<b>Bioprocess resins</b>		
POROS XS Strong Cation Exchange Resin	1,000 mL	4404336
	5,000 mL	4404335
	10,000 mL	4404334
	60,000 mL	A38100
<b>Lab and process development products</b>		
<b>POROS RoboColumn products</b>		
POROS XS RoboColumn strips	200 µL	A30715
	600 µL	A30716
<b>POROS GoPure columns</b>		
POROS GoPure XS Pre-packed Column, 0.5 x 5 cm	1 mL	4481317
POROS GoPure XS Pre-packed Column, 0.8 x 10 cm	5 mL	A36638
<b>Bulk resin</b>		
POROS XS Strong Cation Exchange Resin	25 mL	4404339
	50 mL	4404338
	250 mL	4404337

Learn more at [thermofisher.com/porosxs](https://thermofisher.com/porosxs)

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