

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

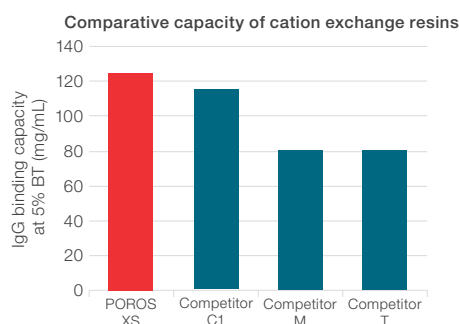


Figure 1. High capacity compared to leading competitors. Capacity of cation exchange resins: 100 mM NaCl, pH 4.5, 300 cm/H.

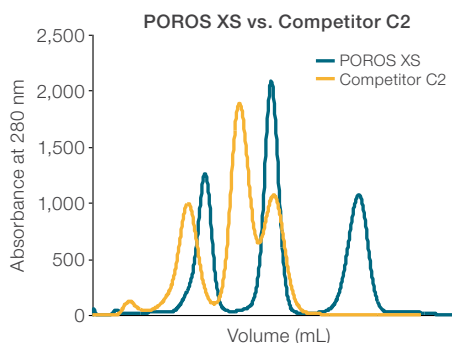


Figure 2. The POROS XS resin delivers higher resolution than another competitor's product. Column: 1 cm (D) x 20 cm (L); Buffer A: 20 mM MES, 25 mM NaCl, pH 6.2; Buffer B: 20 mM MES, 1 M NaCl, pH 6.2; Gradient: 10% B – 50% B 7.5 CV; Flow rate: 300 cm/H; Sample: chymotrypsinogen; cytochrome C; lysozyme.

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

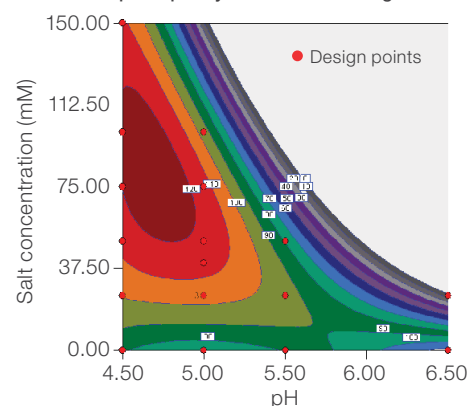


Figure 3. A 5% breakthrough IgG binding capacity vs. salt concentration and pH. High capacity is obtained under a wide range of process conditions. Column: 0.46 cm (D) x 20 cm (L); Buffer: 20 mM MES. Load conditions: 5 mg/mL IgG. Flow rate: 300 cm/hr.

Ordering information

Description	Volume	Cat. No.
Bioprocess resins		
POROS XS Strong Cation Exchange Resin	1,000 mL	4404336
	5,000 mL	4404335
	10,000 mL	4404334
	60,000 mL	A38100
Lab and process development products		
POROS RoboColumn products		
POROS XS RoboColumn strips	200 µL	A30715
	600 µL	A30716
POROS GoPure columns		
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
Bulk resin		
POROS XS Strong Cation Exchange Resin	25 mL	4404339
	50 mL	4404338
	250 mL	4404337

 Learn more at thermofisher.com/porosxs

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