

# Praesto™ SP & Q

Ion exchange resins allowing for the development and scale-up of your mAb purification process.

## SP & Q Ion Exchange Resins

Ion exchange chromatography resins are a staple in downstream purification, designed to support the capture, intermediate purification, and polishing of monoclonal antibodies and recombinant proteins.

## The Purolite™ Ion Exchange Resin Toolbox

Purolite's Praesto SP and Praesto Q agarose-based resins offer strong physical and chemical stability, resulting in a long functional life and a long-term reduction in operating costs.

Offered in four particle sizes, Praesto SP and Praesto Q resins ensure predictable selectivity across particle sizes, meeting the demands of challenging separations and allowing for rapid performance screening.

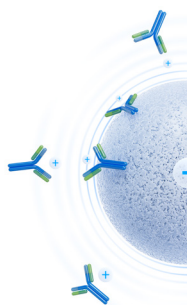
## The Purolite Difference

Manufactured using Purolite's patented Jetting technology, Praesto SP and Praesto Q resins offers uniform beads to ensure quality and performance.

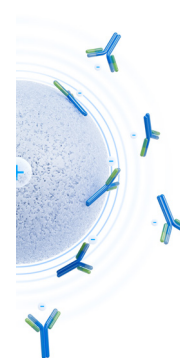
## Key Advantages

- **High dynamic binding capacity supports productivity and scalability**
- **Supports demanding separations while maintaining high yields of target molecules**
- **Available in a variety of particle sizes (35 µm, 45 µm, 65 µm, and 90 µm)**

Praesto SP



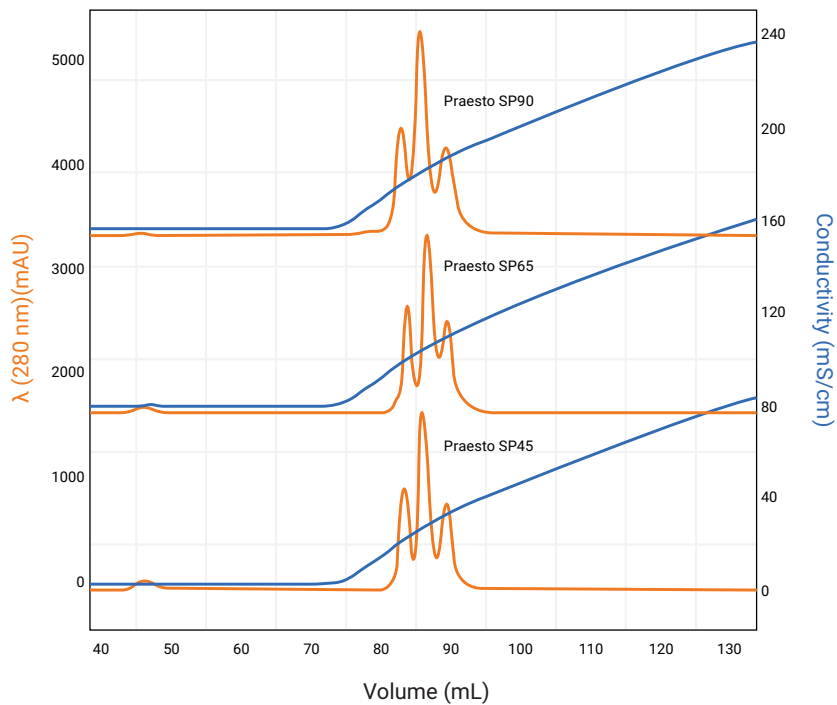
Praesto Q



## Selectivity and Resolution

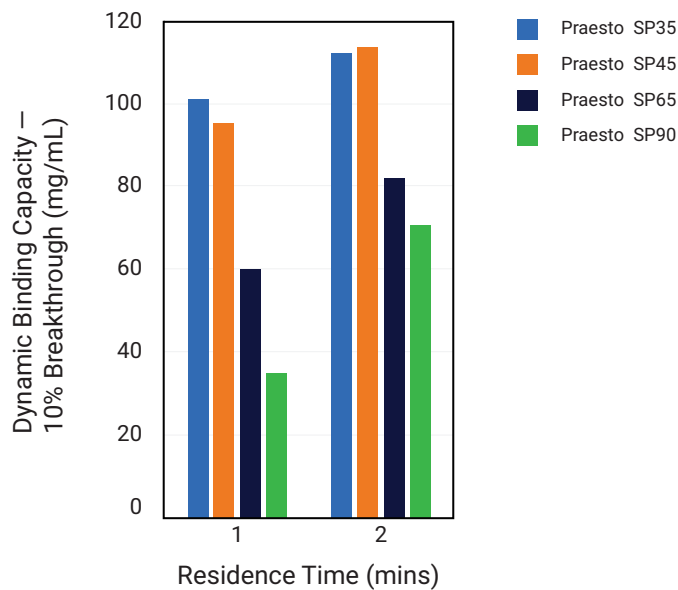
Resolution profiles for Praesto SP45, Praesto SP65, and Praesto SP90 upon application of a protein mixture containing 2.0 mg/mL Chymotrypsinogen, 1.6 mg/mL Lysozyme and 3.9 mg/mL Cytochrome C.

Predictable selectivity across particle sizes supports rapid performance screening.



## Dynamic Binding Capacity

Praesto SP capacities for polyclonal IgG at 5 g/L using a loading buffer of 50 mM sodium acetate, pH 4.7 in an Omnifit 1 x 3 cm column (CV 3.42 mL).



## Innovative Solutions for Bioprocessing

In partnership with Repligen, Purolite™ develops and supplies innovative solutions for the bioprocessing industry, working with many of the top pharmaceutical companies to deliver the next-generation of healthcare. Our resins are used across the globe to deliver lifesaving medicines.

## Global Support Network

No matter the location, our expert field application team members are positioned to help you solve your technical and downstream purification challenges, together. We provide the guidance necessary to develop robust, scalable, high productivity purification processes for mAbs and recombinant processes using Praesto™ Jetted chromatography resins. For wherever you are in your biomanufacturing journey, we are here to help.

## Purolite Affinity Resin Toolbox

Purolite's diverse toolbox offers Protein A resins, [Praesto A50](#) and [APc+](#), designed for high performance and increased sustainability, as well as novel resins, [Praesto A50 HipH](#) and [Praesto 70 CH1](#), designed to enable cost-effective and reliable purification of bispecifics and Fc fusion proteins.



### Jetting Technology

Praesto chromatography resins are manufactured using Purolite's patented Jetting technology. Jetting offers a faster, more environmentally-friendly manufacturing process and uniform particle size distribution.

## Benefits of Purolite's Jetted Resins



### Narrow Bead Size Distribution

More consistent bead size and minimal variation batch-to-batch



### Sustainable Manufacturing

More environmentally friendly than alternative manufacturing methods



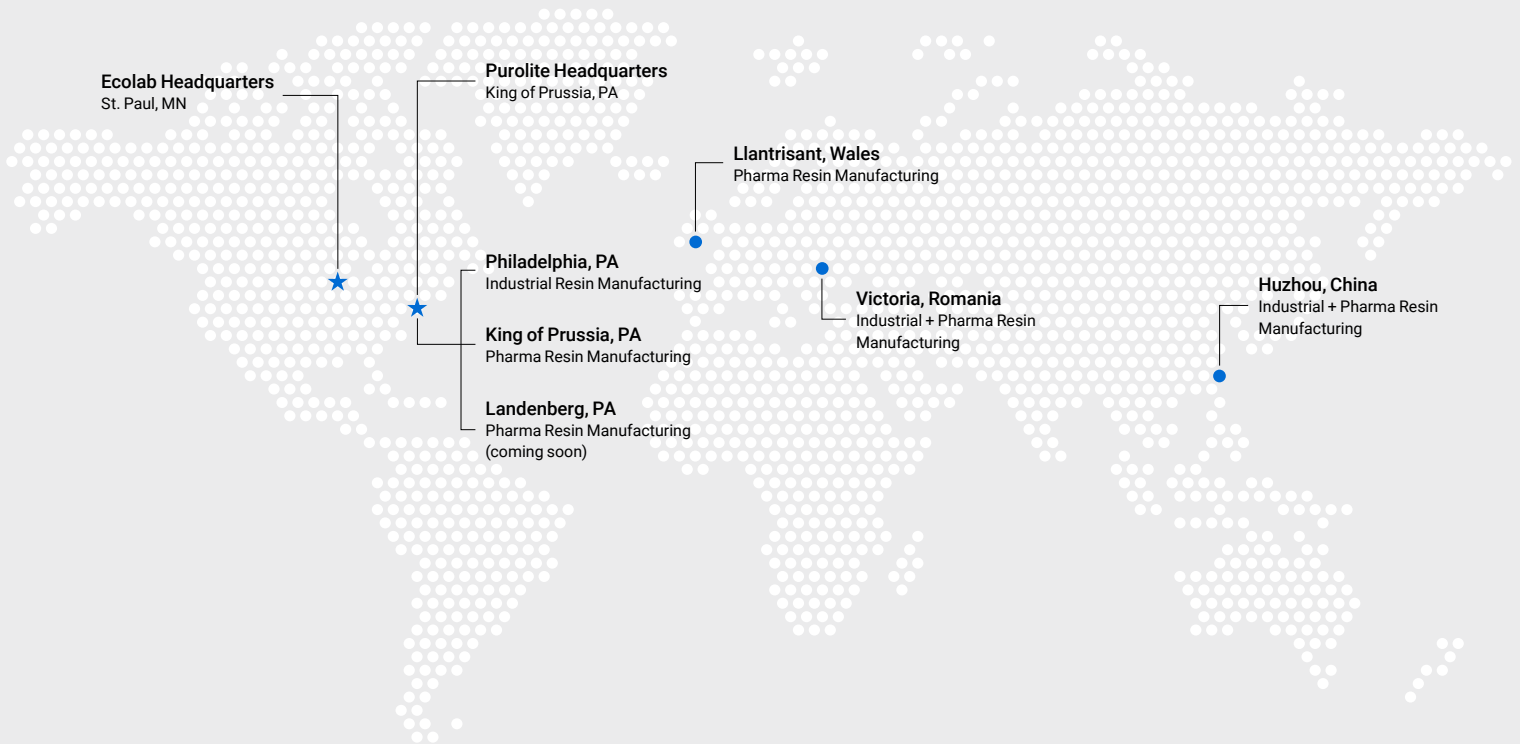
### Increased Productivity

Faster mass transfer reduces manufacturing costs

Purolite, an Ecolab company, is a leading manufacturer of quality ion exchange, catalyst, adsorbent and specialty high-performance resins with global sales support.



[www.purolite.com](http://www.purolite.com)



## We're ready to solve your process challenges.

For further information on Purolite products and services, visit [www.purolite.com](http://www.purolite.com) or contact us at the addresses below.

### Americas

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