

# Praesto<sup>®</sup> 70 CH1

Efficient target of CH1 antibody domains,  
simplifying your mAb purification process.

## CH1 Affinity Resin

Recent years have seen the expansion of antibody variants used in the development of therapeutic treatments, including the use of bispecifics. However, traditional methods of purification have proven inefficient.

## Part of the Purolite<sup>®</sup> Affinity Resin Toolbox

Purolite's Praesto 70 CH1 is a 70µm (micron) agarose-based affinity resin designed to purify specialized mAbs such as bispecifics and recombinant antibody fragments, and can be used when Fc or light-chain binding is not viable.

## The Purolite Difference

Developed in partnership with Repligen, an industry leader and partner in life sciences, Praesto 70 CH1 provides high capacity and alkaline stability.

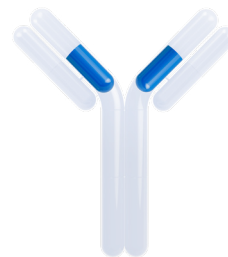
Manufactured using Purolite's patented Jetting technology, Praesto 70 CH1 offers uniform beads to ensure quality and performance.

## Key Advantages

- **Up to 2X capacity compared to established CH1 affinity resins**
- **Highest clean-in-place (CIP) alkaline stability of any CH1 binding resin**
- **Supports process efficiencies to reduce long-term cost of goods**

---

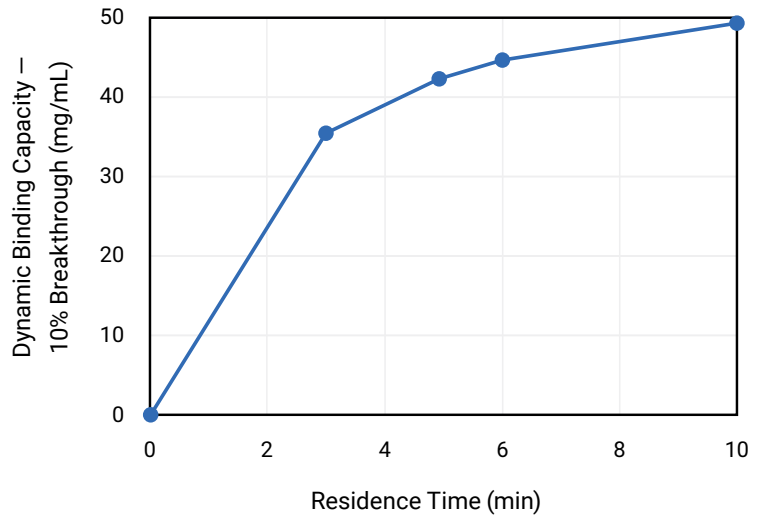
## CH1 Binding Region



## Dynamic Binding Capacity

Capacity data for an IgG1 subclass monoclonal antibody on Praesto 70 CH1 at 3, 4.8, 6, and 10-minute residence time.

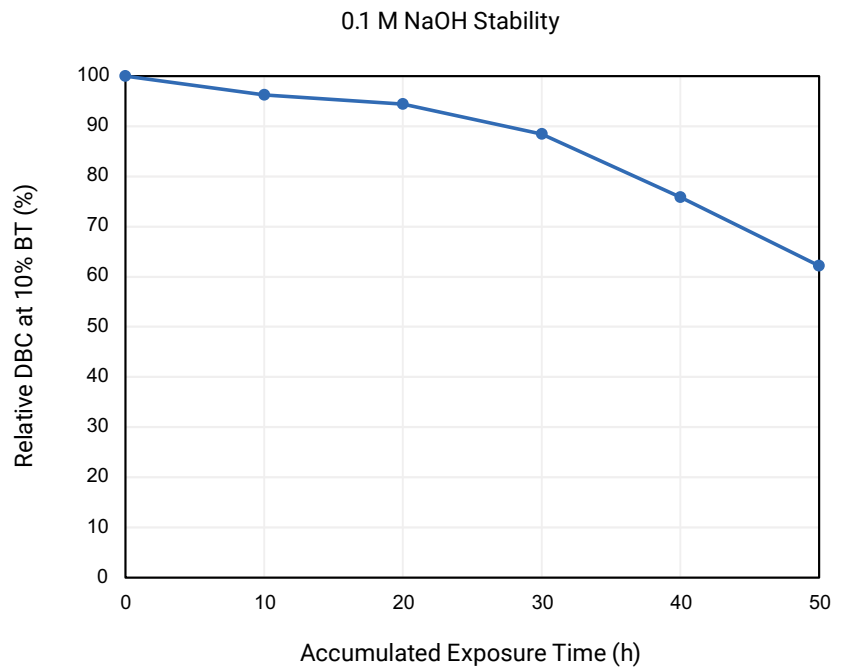
Praesto 70 CH1 offers higher binding capacity than any established CH1 resin, delivering favorable process economics for mAbs.



## NaOH Stability

Relative binding capacity of Praesto 70 CH1 after 0.1 M NaOH exposure.

Praesto 70 CH1 offers improved caustic stability compared to established CH1 resins, allowing the adoption of standard 0.1M NaOH CIP protocols.



## 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 Ion Exchange Resin Toolbox

Purolite's ion exchange toolbox consists of [Praesto SP](#) and [Praesto Q](#) resins in four particle sizes to ensure predictable selectivity across particle sizes, allowing for rapid performance screening.



### 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



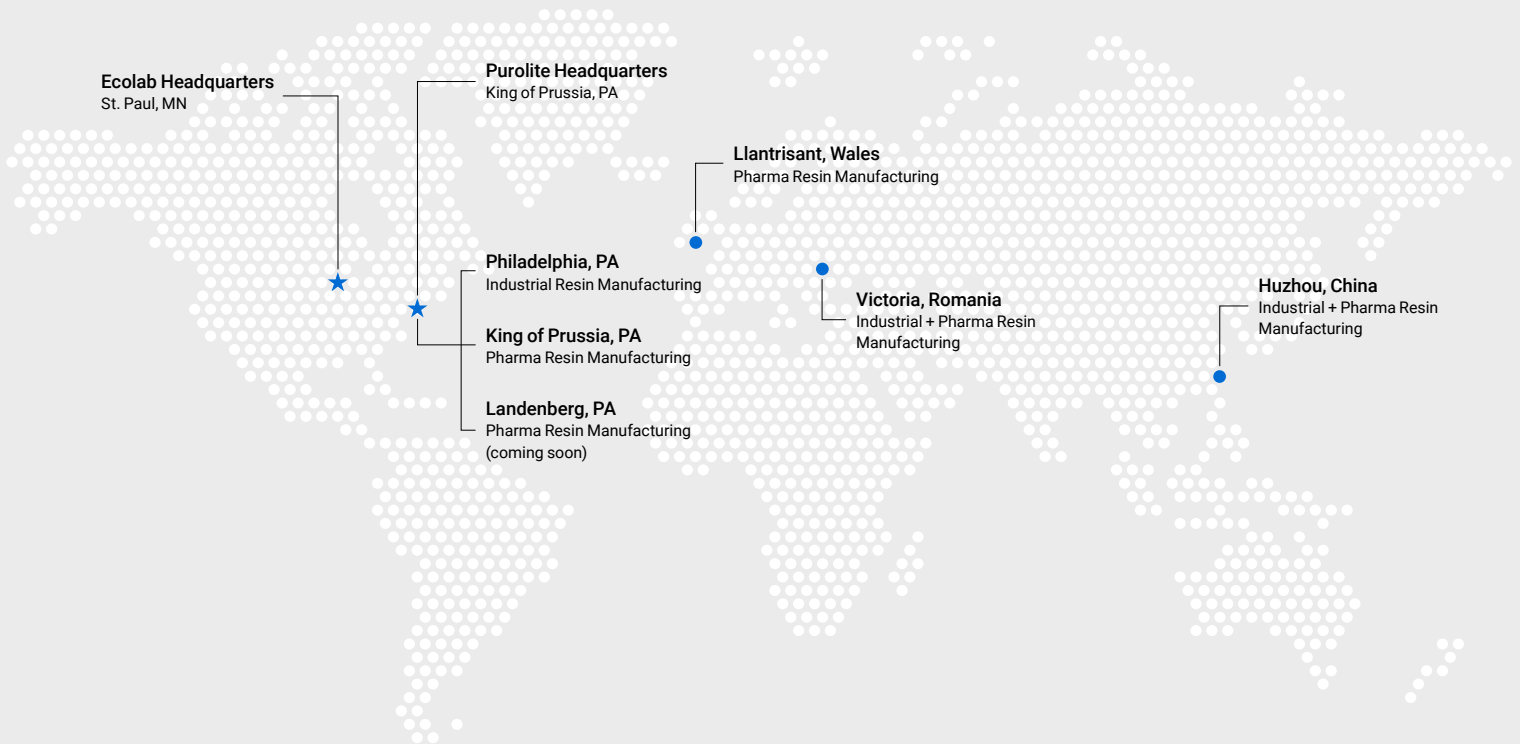
### Increased Productivity

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

[americas@purolite.com](mailto:americas@purolite.com)

### Asia Pacific

[asiapacific@purolite.com](mailto:asiapacific@purolite.com)

### EMEA

[emea@purolite.com](mailto:emea@purolite.com)

The statements, technical information and recommendations contained herein are believed to be accurate as of the date hereof. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, Purolite expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information; NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. Nothing contained herein constitutes a license to practice under any patent and it should not be construed as an inducement to infringe any patent and the user is advised to take appropriate steps to be sure that any proposed use of the product will not result in patent infringement.



©2024 Purolite  
All rights reserved.  
P-000129-100PP-22024-ENG-R1-BP