

HiTrap MabSelect SuRe pcc column

Product Information

Cat#No# Hi-019P

Product Overview

HiTrap MabSelect SuRe pcc chromatography columns are prepacked with MabSelect SuRe pcc protein A resin for screening and small-scale mAb purification in continuous bioprocessing using periodic counter-current chromatography (PCC).

Description

MabSelect SuRe pcc affinity chromatography medium (resin) offers exceptional capacity at short residence time, making it well-suited for applications requiring fast mass transfer such as MAb capture in a continuous process.

The alkali-stabilized, protein A-derived ligand gives the medium greater stability than conventional protein A-based media under the alkaline conditions used in cleaning-in-place (CIP) protocols. Consequently, the possibility of cleaning with cost-effective reagents such as sodium hydroxide (NaOH) will improve process economy. In addition, the use of NaOH for cleaning efficiently inactivates bacteria, mold, and yeast, with improved product quality as a result.

The base matrix of MabSelect SuRe pcc combines a porosity optimized for MAbs with a rigidity that delivers good pressure/flow properties. These features provide the ability to run the medium at high flow rates, thereby increasing productivity of continuous capture steps. The small bead size also creates possibilities for high-resolution purification, for example, for purification of bispecific antibodies.

Characteristic

Exceptional binding capacity (e.g., ~ 60 g IgG/L medium at 2.4 min residence time).

High productivity through capture of large mass of MAbs in a short period of time.

Highly concentrated elution pools for operating flexibility and small unit operations.

Allows cost-effective cleaning with 0.1–0.5 M NaOH over hundreds of purification cycles.

High ligand stability reduces ligand leakage.

Generic elution conditions for different MAbs, enabling platform purifications.

Maximum operating pressure

HiTrap MabSelect SuRe pcc column

5 bar [0.5 MPa] (70 psi)

Recommended flow rate

≤ 600 cm/h

Recommended column height

25 mm

Storage

2°C–8°C, 20% ethanol

Pack size

5 × 1 mL

Dimensions

7 × 25 mm

Column volume

1 mL

Column i.d.

7 mm
