

HiTrap Capto Butyl ImpRes

Product Information

Cat#No# Hi-151P

Product Overview

HiTrap Capto Butyl ImpRes is a ready-to-use column prepacked with BioProcess Capto Butyl ImpRes resins for screening and small-scale protein purification using hydrophobic interaction chromatography.

Description

Capto Butyl ImpRes is hydrophobic interaction chromatography (HIC) media (resins) developed for the intermediate and polishing steps in a downstream protein purification process. Both chromatography media extend the well established Capto platform to include high-resolution media. By combining the high-flow characteristics of Capto media with a smaller particle size, Capto Butyl ImpRes delivers excellent pressure/flow properties and resolution. The ability to run at higher flow velocities and higher bed heights increases flexibility in process design and might enable increased productivity.

Characteristic

Prepacked columns for screening of selectivity, binding and elution conditions, as well as small scale purifications.

High-throughput chromatography resin for intermediate and polishing steps in a downstream protein purification process.

Excellent chemical stability allows cleaning with all standard CIP solutions, including 1 M sodium hydroxide. High binding capacity, high flow rate, and low back pressure reduces process cycle times and improves productivity at process scale.

Maximum operating pressure

5 bar [0.5 MPa] (70 psi)

Matrix

High-flow agarose

Average particle size

40 μ m

HiTrap Capto Butyl ImpRes

Ligand

Butyl

Dynamic binding capacity

37 mg BSA/mL medium

Recommended flow rate

Up to 220 cm/h in a 1 m diameter column with a bed height of 20 cm at 20°C; measured using process buffers with the same viscosity as water at 300 kPa.

Recommended column height

25 mm

pH working range

3 to 13

CIP stability

2 to 14

Shelf life

Five years

Storage

20% ethanol at 4°C to 30°C

Pack size

5 × 1 mL

Dimensions

7 × 25 mm

Column i.d.

7 mm