HiScreen Capto Butyl ImpRes

Product Information

Cat#No#	Hi-139P

Product Overview

HiScreen Capto Butyl ImpRes is a ready-to-use column prepacked with Capto Butyl ImpRes hydrophobic interaction chromatography resin and is part of Cytiva's process development platform.

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 Phenyl ImpRes and Capto Butyl ImpRes deliver both excellent pressure/flow properties and resolution. The ability to run at higher flow velocities and higher bed heights increases flexib

Characteristic

Excellent choice for method optimization and parameter screening with a 10 cm bed height.
Easily connected in series to achieve 20 cm bed height.
Small bed volume gives fast results and minimal sample/buffer consumption.
Reproducible results, scalable to BioProcess columns packed with the same chromatography resin using the same linear fluid velocity.

Maximum operating pressure

3 bar [0.3 MPa] (44 psi)

Matrix

High-flow agarose

Average particle size

40 µm

Ligand

Butyl

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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
100 mm
Chemical stability
Stable in commonly used aqueous buffers: 1 M sodium hydroxide††, 1 M acetic acid, 8 M urea, 6 M guanidine hydrochloride, 70% ethanol, 30% isopropanol.
pH working range
3 to 13
CIP stability
2 to 14
Shelf life
Five years
Storage
20% ethanol at 4°C to 30°C
Cleaning-in-place
1 M NaOH
Pack size
4.7 mL
Dimensions
7.7 × 100 mm

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Column i.d.
7.7 mm
Column hardware pressure limit
0.8 MPa (8 bar, 116 psi)

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