

HiTrap Capto Phenyl ImpRes

Product Information

Cat#No# Hi-154P

Product Overview

HiTrap Capto Phenyl ImpRes is prepacked with BioProcess Capto Phenyl ImpRes resins for screening and small-scale protein purifications using hydrophobic interaction chromatography.

Characteristic

High-throughput resin for intermediate and polishing protein purification, excellent choice for process-scale purification.

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

The combined properties of high binding capacity, high flow rate, and low back pressure reduces process cycle times and improves productivity at process scale.

Excellent chemical stability allows cleaning with all standard CIP solutions, including 1 M sodium hydroxide.

Maximum operating pressure

5 bar [0.5 MPa] (70 psi)

Matrix

High-flow agarose

Average particle size

40 µm

Ligand

Phenyl

Dynamic binding capacity

19 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.

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Recommended column height

25 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

Pack size

5 × 1 mL

Dimensions

7 × 25 mm

Column i.d.

7 mm