

HiPrep SP FF Cation Exchange Column

Product Information

Cat#No# Hi-209P

Product Overview

HiPrep SP FF is a 20 mL strong cation exchange chromatography column for small scale protein purification.

Description

HiPrep 16/10 columns for ion exchange (IEX) chromatography are prepacked 20 mL cation and anion exchange columns for preparative separations of proteins and other biomolecules based on charge.

Characteristic

Packed with SP Sepharose Fast Flow strong cation exchange resin.
Convenient prepacked ion exchange chromatography column.
Fast, reliable, and reproducible preparative ion exchange separation.
Feature good flow rates and high capacity.
20 mL HiPrep column format compatible with single-pump configurations and chromatography systems.

Maximum operating pressure

1.5 bar [0.15 MPa] (22 psi)

Metal ion capacity

0.18 to 0.25 mmol H⁺ /mL resin

Matrix

Cross-linked agarose, 6%, spherical

Ionic Exchanger Type

Strong cation

Average particle size

~ 90 µm

Dynamic binding capacity

~ 70 mg ribonuclease A/mL resin

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Recommended flow rate

< 300 cm/h

Recommended column height

100 mm

Chemical stability

Stable to commonly used aqueous buffers, 1.0 M NaOH , 8 M urea, 6 M guanidine hydrochloride, and 70% ethanol.

pH working range

4 to 13

CIP stability

3 to 14

Storage

4 to 30°C, 0.2 M Sodium Acetate in 20% Ethanol

Pack size

20 mL

Dimensions

16 × 100 mm

Column volume

20 mL

Column i.d.

16 mm

Column hardware pressure limit

5 bar (0.5 MPa, 73 psi)

Functional group

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-CH₂- CH₂-CH₂SO₃ -
