

HiPrep SP XL 16/10

Product Information

Cat#No# Hi-211P

Product Overview

HiPrep SP XL 16/10 is a strong cation exchanger prepacked with SP Sepharose XL columns for initial capture of proteins and other biomolecules with ion exchange (IEX) chromatography.

Description

HiPrep SP XL 16/10 is a prepacked, ready to use column for ion exchange chromatography. It provides fast, preparative separations of proteins and other biomolecules.

Characteristic

Provide high loading capacity and fast purifications.

Optimized for reliable, reproducible separations.

Compatible with simple pump-based configurations and chromatography systems.

Excellent choice for rapid enrichment during initial capture of proteins from start material.

Strong Sulfopropyl (SP) cation exchanger.

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, with dextran surface extender, spherical.

Ionic Exchanger Type

Strong cation

Average particle size

~ 90 µm

Dynamic binding capacity

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160 mg Lysozyme/mL resin

Recommended flow rate

< 300 cm/h

Recommended column height

100 mm

Chemical stability

Stable to commonly used aqueous buffers, non-ionic detergents, 1.0 M NaOH, 6 M guanidine hydrochloride.

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)

HiPrep SP XL 16/10

Functional group

–SO₃–
