

Capto HiRes ion exchange chromatography columns

Product Information

Cat#No# Ca-195P

Product Overview

Capto HiRes Q is prepacked columns for high-resolution purification of proteins and other biomolecules by ion exchange chromatography. They are well-suited for the preparation of highly pure proteins for structural studies and for protein analysis.

Description

Capto HiRes Q is prepacked columns for high-resolution purification of proteins, peptides, polynucleotides, and other biomolecules by ion exchange chromatography, IEX.

The prepacked columns effectively separate biomolecules with small differences in net surface charge and are therefore wellsuited to preparation of highly pure proteins in, for example, structural studies and protein analysis.

Characteristic

High resolution columns—for laboratory scale ion exchange chromatography.

Suitable for preparing highly pure proteins—essential in, for example, structural studies using techniques such as cryo-electron microscopy or protein crystallography.

Suitable for protein analysis in research or quality control—for example, for characterization of target protein charge variants.

High quality column—excellent reproducibility, durability, and high chemical and pH stabilities.

Replacement for Mono Q and Mono S columns—delivering similar or improved resolution, with easy transition from one column platform to the other.

Maximum operating pressure

4.0 MPa, (40 bar, 580 psi)

Metal ion capacity

~ 0.23 mmol Cl- /mL resin

Matrix

Capto HiRes ion exchange chromatography columns

Highly cross-linked agarose, spherical

Ionic Exchanger Type

Strong anion exchanger (quaternary ammonium)

Average particle size

~ 9 µm

Recommended flow rate

0.5 to 2.0 mL/min

Chemical stability

All commonly used aqueous buffers, pH 2–12.

Urea, up to 8 M.

Acetonitrile, up to 30% in aqueous buffers.

Nonionic detergents.

Cationic detergents.

pH working range

2–12

CIP stability

1–14

Storage

4°C to 30°C

Pack size

1

Maximum flow velocity

2.0 mL/min

Dimensions

5 × 50 mm



Capto HiRes ion exchange chromatography columns

Column volume

1 mL

Functional group

-CH2-N+(CH3)3

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