CREATIVE BIOMART®
Chromatography

Superdex 30 Increase

Product Information

Cat#No#	Su-320P

Product Overview

Superdex 30 Increase SEC columns are for high resolution, small-scale purification and analysis of small biomolecules with Mr ~ 100 to ~ 7000, such as peptides.

Description

Superdex 30 Increase prepacked columns are designed for high-resolution, small-scale purification and analysis of peptides and other small biomolecules with molecular weights (Mr) from ~ 100 to 7000. These new generation size exclusion chromatography (SEC) columns replace their predecessors, Superdex Peptide columns, delivering improved performance in preparative and analytical purification.

Characteristic

Improved performance – improved resolution and runtime compared to predecessor Superdex Peptide. Tolerance to repeated harsh cleaning procedures at high pH ensures long column lifetime and minimizes carryover.
Very high resolution – small bead size and narrow particle size distribution provide high resolution, for high protein purity.
High flow rate – due to rigid beads giving excellent pressure/flow properties.

Matrix

Composite of cross-linked agarose and dextran.

Average particle size

~ 9 µm

Recommended flow rate

0.80 mL/min

Recommended column height

300 to 310 mm

Chemical stability

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Resistant to most solutions used in liquid chromatography except hydrocarbons, aromatic solvents and chlorinated hydrocarbons.

pH working range
3 to 12
CIP stability
1 to 14
Storage
4˚C to 30˚C, 20% ethanol
Maximum flow velocity
1.2 mL/min, water at room temperature; 0.60 mL/min, 20% ethanol or 10% glycerol at room temperature; 0.60 mL/min water at low temperature; 0.30 mL/min 20% ethanol or 10% glycerol at low temperature.
Dimensions
10 x 300 mm
Column volume
~ 24 mL
Column i.d.
10 mm
Bed support
Filter
Material (bed support)
Polyethylene (PE) filter
Material (column tube)
Borosilicate glass
Material (column hardware)

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Borosilicate glass, polyetheretherketone (PEEK), polypropylene (PP), ethylene propylene diene monomer (EPDM), and perfluoro-rubber (PFR)

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