

Superdex 30 prep grade (PG) in HiLoad column

Product Information

Cat#No# Su-321P

Product Overview

HiLoad Superdex 30 prep grade are prepacked XK columns designed for high-resolution preparative gel filtration chromatography separating peptides.

Characteristic

High-resolution separation – with short run times and good recovery.

High capacity – at high flow rates.

Prepacked – for convenient ready-to-go use and reproducible results.

Scalable protein separation – easily scale-up separations to production levels.

Integrated workflows – 1/16" fittings for convenient connection with ÄKTA protein purification systems.

Maximum operating pressure

3 bar [0.3 MPa] (42 psi)

Matrix

Cross-linked agarose, spherical

Average particle size

~ 34 µm

Recommended flow rate

10 cm/h - 50 cm/h

Recommended column height

600 mm

pH working range

3 to 12

CIP stability

1 to 14

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Storage

4 to 30°C, 20% Ethanol

Shipping

20% ethanol

Equilibration

1. One column volume (CV) of low ionic strength buffer at 1 mL/min.
2. Two CV of buffer, for example, 0.05 M phosphate buffer, 0.15M NaCl, pH 7.2 at 1.6 mL/min.

Cleaning-in-place

Wash the column with one-half to one CV 0.5 M NaOH at a flow rate of 0.8 mL/min for 16/600 or 2.2 mL/min for 26/600 to remove most of the nonspecifically bound proteins from the chromatography resin. After cleaning, immediately equilibrate the column with at least two CV buffer. Further equilibration is necessary if the buffer contains detergents. Wait until the UV baseline stabilizes before starting a new purification.

Dimensions

16 × 600 mm

Column volume

120 mL

Column i.d.

16 mm

Column hardware pressure limit

0.5 MPa (5 bar, 73 psi)