

HiLoad Superdex 75 pg columns

Product Information

Cat#No# Hi-310P

Product Overview

HiLoad Superdex 75 pg prepacked columns are for high-resolution size exclusion chromatography of recombinant proteins from samples up to 5 mL or 13 mL.

Characteristic

Prepacked format – for convenience and reproducibility; can be used with standalone pump or chromatography system.

High resolution – for high purity.

Scalable – separations can be scaled up using Superdex 75 prep grade resin.

ÄKTA system compatible – Fittings (1/16") for direct connection to ÄKTA systems and other chromatography systems.

Maximum operating pressure

0.3 MPa (3 bar, 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

HiLoad Superdex 75 pg columns

1 to 14

Storage

4 to 30°C, 20% Ethanol

Equilibration

1. One column volume (CV) of low ionic strength buffer at 1 mL/min for 16/600 or 2.6 mL/min for 26/600.
2. Two CV buffer, for example, 0.05 M sodium phosphate, 0.15 M NaCl, pH 7.2 at 1.6 ml/min for 16/600 or 4.3 ml/min for 26/600.

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 i.d.

16 mm

Column hardware pressure limit

0.5 MPa (5 bar, 73 psi)