

Superdex 200 Increase columns

Product Information

Cat#No# Su-319P

Product Overview

Superdex 200 Increase size exclusion chromatography columns are well suited for high-resolution analysis and small-scale purification of monoclonal antibodies (mAb) and other biomolecules with Mr~ 10 000 to ~ 600 000.

Characteristic

Enhanced performance: improved resolution and runtime compared to predecessor Superdex 200.

Very high resolution: small bead size and narrow particle size distribution provide high resolution, for high protein purity.

High flow rates: rigid beads give excellent pressure/flow properties.

Matrix

Composite of cross-linked agarose and dextran.

Average particle size

~ 8.6 µm

Recommended flow rate

0.75 mL/min

Recommended column height

300 to 310 mm

Chemical stability

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

pH working range

3 to 12

CIP stability

Superdex 200 Increase columns

1 to 14

Storage

4°C to 30°C, 20% ethanol

Maximum flow velocity

1.80 mL/min, water at room temperature; 0.90 mL/min, 20% ethanol or 10% glycerol at room temperature; 0.90 mL/min water at low temperature; 0.45 mL/min 20% ethanol or 10% glycerol at low temperature.

Dimensions

10 x 300 mm

Column volume

~ 24 mL

Column i.d.

10 mm

Column hardware pressure limit

(100 bar, 1450 psi)

Bed support

Filter

Material (bed support)

Polyethylene (PE) filter

Material (column tube)

Borosilicate glass

Material (column hardware)

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