

## 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  $Mr \sim 10\,000$  to  $\sim 600\,000$ .

### 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

$\sim 8.6\ \mu\text{m}$

### 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

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1 to 14

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**Storage**

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4°C to 30°C, 20% ethanol

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**Maximum flow velocity**

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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.

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**Dimensions**

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10 x 300 mm

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**Column volume**

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~ 24 mL

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**Column i.d.**

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10 mm

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**Column hardware pressure limit**

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(100 bar, 1450 psi)

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**Bed support**

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Filter

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**Material (bed support)**

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Polyethylene (PE) filter

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**Material (column tube)**

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Borosilicate glass

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**Material (column hardware)**

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