

SP Sepharose High Performance resin prepacked in ReadyToProcess single-use columns

Product Information

Cat#No# SP-277P

Product Overview

These ReadyToProcess chromatography columns are prepacked with SP Sepharose High Performance (HP) chromatography resin. ReadyToProcess columns are validated high-performance bioprocessing columns that are supplied prepacked and ready for use.

Characteristic

Strong cation exchanger for intermediate and final polishing steps.

High resolution, high capacity separation with high recovery.

High chemical stability for effective cleaning-in-place (CIP)/sanitization protocols.

BioProcess resin designed for industrial applications and well-established in approved processes.

Applications

For manufacturing of biopharmaceuticals for clinical phase I and II studies. Depending on the scale of operations, they can also be used for full-scale manufacturing, as well as for preclinical studies.

Maximum operating pressure

2.4 bar (0.24 MPa, 35 psi)

Metal ion capacity

0.15 to 0.20 mmol (H+)/mL medium

Matrix

Cross-linked agarose, spherical

Average particle size

~ 34 μ m

Dynamic binding capacity

~ 55 ribonuclease A/mL resin

Recommended column height

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200 mm (7.87 in)

Chemical stability

Stable to commonly used aqueous buffers; 1.0 M NaOH, 1.0 M acetic acid, M urea, 6 M guanidine hydrochloride, 30% isopropanol, 70% ethanol.

pH working range

4 to 13

CIP stability

3 to 14

Storage

4°C to 30°C, 20% ethanol

Pack size

1 L

Maximum flow velocity

90 cm/h

Dimensions

80 × 200 mm

Column i.d.

80 mm

Functional group

-CH₂ CH₂ CH₂ SO₃ - , sulphopropyl