

Capto S in ReadyToProcess columns

Product Information

Cat#No# Ca-198P

Product Overview

These ReadyToProcess chromatography columns are prepacked with Capto S chromatography resin and are an excellent cation exchange resin for cost-effective capture and intermediate purification protein. ReadyToProcess columns are validated high-performance bioprocessing columns that are supplied prepacked and ready for use.

Description

Capto S is strong cation exchange resins for packed bed chromatography that increase speed and throughput in capture and intermediate purification. It combine high capacity with high flow velocity and low back pressure to reduce process cycle times and increase productivity.

Characteristic

High dynamic binding capacity at high flow, for high productivity.

High-volume throughput cuts process time.

Cost-effective processing with smaller unit operations.

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

3 bar [0.3 MPa] (44 psi)

Metal ion capacity

0.11 to 0.14 mmol H⁺/mL resin

Ionic Exchanger Type

Strong cation, S

Average particle size

Capto S in ReadyToProcess columns

~ 90 µm

Dynamic binding capacity

> 120 mg lysozyme/mL resin

Recommended column height

200 mm (7.87 in)

Chemical stability

Stable to commonly used aqueous buffers, 1.0 M NaOH, 8 M Urea, 6 M guanidine hydrochloride, 30% isopropanol and 70% ethanol.

pH working range

4 to 12

CIP stability

3 to 14

Storage

4 to 30°C, 20% Ethanol

Pack size

2.5 L

Maximum flow velocity

700 cm/h

Dimensions

126 × 200 mm

Column volume

2.5 L

Column i.d.

126 mm

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Functional group

-SO₃ -
