

Capto Q in ReadyToProcess columns

Product Information

Cat#No# Ca-197P

Product Overview

These ReadyToProcess chromatography columns are prepacked with Capto Q chromatography resin and are excellent for an intermediate purification of proteins from large feed volumes. ReadyToProcess columns are validated high-performance bioprocessing columns that are supplied prepacked and ready for use.

Description

Capto Q is strong anion 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

0.16 to 0.22 mmol Cl-/mL resin

Matrix

Highly cross-linked agarose, spherical

Ionic Exchanger Type

Strong anion, Q

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Average particle size

~ 90 µm

Dynamic binding capacity

> 100 mg BSA/mL resin

Recommended flow rate

700 cm/h

Recommended column height

200 mm (7.87 in)

Chemical stability

Stable to commonly used aqueous buffers, 1.0 M NaOH9 , 8 M Urea, 6 M guanidine hydrochloride, 30% isopropanol and 70% ethanol.

pH working range

2 to 12

CIP stability

2 to 14

Storage

4°C to 30°C, 20% Ethanol

Pack size

2.5 L

Dimensions

126 × 200 mm

Column volume

2.5 L

Column i.d.

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126 mm

Functional group

-N⁺ (CH₃)₃
