Capto DeVirS chromatography resin

Product Information

Cat#No#	Ca-355C

Product Overview

Capto DeVirS affinity-like resin has properties that help to minimize process cycle times and maximize productivity in virus purification:
Good chemical stability that makes the resin more durable and allows you to use several commonly available buffers.
Excellent productivity from increased throughput.
Affinity-like behavior for various viruses, which makes it a highly versatile resin.
Resin fulfills industrial demands for security of supply, robust performance, and regulatory support.

Description

Capto DeVirS is a chromatography medium that is designed to be used for the capture and intermediate stages of virus purification. The combination of high capacity with high flow rates and low backpressure reduces process cycle times and increases productivity. The Capto family range consists of modern process chromatography media designed for fast, efficient, and cost-effective purification that meets the stringent demands of modern large-scale biopharmaceutical and vaccine manufacturing processes.

Characteristic

Excellent productivity from increased throughput.
Good chemical stability that makes the media more durable and allows you to use several commonly available buffers.
Affinity-like behavior for various viruses, which makes it a highly versatile medium.

Maximum operating pressure

300 kPa at 600 cm/h, 1 m diameter column, 20 cm bed height

Ligand Coupling Method

Ether linkages

Matrix

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Capto DeVirS chromatography resin

Highly cross-linked agarose
Functional group
Dextran sulfate
Average particle size
~75 µm
Ligand
Dextran sulphate
Ligand density
70 to 130 µmol S/ml drained gel
Recommended flow rate
300 kPa at 600 cm/h, 1 m diameter column, 20 cm bed height
Recommended column height
20 cm
Chemical stability
Commonly used aqueous buffers, 0.1M NaOH4
pH working range
7–13
CIP stability
6–14
Temperature stability
4°C to 30°C
Storage
4 to 8°C, 20% Ethanol
Equilibration

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Capto DeVirS chromatography resin

Packed columns should be equilibrated in 20% ethanol to prevent microbial growth. After storage, equilibrate with at least 5 bed volumes of starting buffer before use.
Sanitization
We recommend CIP after each cycle with 1 M NaOH for at least 30 min in reversed flow.
Sterilization
In order to reduce microbial contamination in the packed column, sanitization using 0.5 to 1.0 M NaOH with a contact time of 1 h is recommended.
Scaling up
We recommend AxiChrom columns for scale-up of Capto DeVirS to large-scale vaccine manufacturing.
Pack size
25 mL
BioProcess resin
Yes
Dimensions
1 m

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