

HiTrap Capto AVB

Product Information

Cat#No# Hi-071P

Product Overview

Capto AVB is based on a rigid base matrix, delivering excellent pressure-flow properties to AAV production.

Description

Capto AVB is an affinity chromatography resin designed for the purification of adeno-associated virus (AAV). Compared with its predecessor AVB Sepharose High Performance resin, Capto AVB is based on a more rigid base matrix, delivering excellent pressure-flow properties to AAV production. The possibility to run at higher flow rates and bed heights increases flexibility in process design and allows for an increased productivity. Capto AVB is available in bulk as well as in formats suitable for process development.

Characteristic

Efficient purification of AAV of several subclasses by affinity chromatography.

Prepacked HiTrap columns for easy screening and convenient process development, as well as small scale purification.

High selectivity and excellent scalability.

Matrix

Highly cross-linked agarose, spherical

Average particle size

50 µm

Ligand

Recombinant protein (Mr 14 000) produced in *Saccharomyces cerevisiae*. Binds AAV of subclasses 1, 2, 3, and 5.

Ligand density

1.2 to 3.7 mg/mL

Dynamic binding capacity

HiTrap Capto AVB

Typically, > 10¹² genome copies/mL of chromatography resin.

Recommended flow rate

Min. 220 cm/h

Chemical stability

Stable in commonly used aqueous buffers used in purification of AAV.

pH working range

3 to 10

CIP stability

2 to 12

Storage

4°C to 8°C, 20% ethanol

Shipping

20% ethanol

Cleaning-in-place

The recommended protocol comprises initial strip of the resin at low pH, and then subjecting the resin to NaOH of low concentration for cleaning.

Sanitization

PAB (120 mM phosphoric acid, 167 mM acetic acid, 2.2 % v/v benzyl alcohol) is used for final sanitization of the resin. PAB solution is sensitive to light and should be freshly made not to damage the resin.

Pack size

5 × 1 mL

Maximum flow velocity

< 4 mL/min

Dimensions

HiTrap Capto AVB

0.7 × 2.5 cm

Column volume

1 mL

Column hardware pressure limit

5 bar (0.5 MPa, 70 psi)
