

HiTrap AVB Sepharose HP

Product Information

Cat#No# Hi-068P

Product Overview

AVB Sepharose High Performance is an affinity resin designed for the purification of adeno associated virus (AAV), Prepacked HiTrap columns for simple operation with a syringe, pump, or chromatographic system.

Description

AVB Sepharose High Performance is an affinity chromatography resin designed for the purification of adeno associated virus (AAV). Adeno associated viruses (AAV) are of increasing interest as potential vectors for gene therapy. To enable the use of AAV in clinical applications, an efficient and high-quality production process is needed, including downstream purification. The purification process needs to be robust, with high yields, high purity, and low leakage of ligand. In current purification protocols density gradient centrifugation is typically used, followed by several chromatography steps, giving a process with low yield and poor scalability

Characteristic

One step purification of adeno associated viruses.

Affinity resin with high selectivity and low background binding.

Large surface area to give enhanced capacity.

Prepacked HiTrap columns available, for simple operation with a syringe, pump, or chromatographic system.

Matrix

Cross-linked agarose, 6%, spherical

Average particle size

34 µm

Ligand

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

Dynamic binding capacity

Typically > 10 genome copies/mL of chromatography resin.

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Recommended flow rate

< 150 cm/h

Recommended column height

25 mm

pH working range

3 to 10

CIP stability

2 to 12

Storage

4 to 30°C, 20% Ethanol

Pack size

5 × 1 mL

Dimensions

7 × 25 mm

Column volume

1 mL

Column i.d.

7 mm