

HiTrap NHS-Activated HP columns

Product Information

Cat#No# Hi-079P

Product Overview

HiTrap NHS-activated HP prepacked chromatography columns allow you to design an affinity column suitable for your purification needs.

Description

HiTrap is a range of prepacked columns for preparative affinity chromatography. Fast, simple, and easy separations are provided by the combination of a specially designed column and a high-performance affinity medium. HiTrap NHS-activated HP is the pre-activated member of this column family. The coupling method supplied is easy to perform; normally the affinity medium is ready to use in less than an hour. HiTrap NHS-activated HP is available in 1 ml and 5 ml prepacked columns.

Characteristic

Easy coupling of any ligand containing primary amine groups.

Packed with NHS-Activated Sepharose High Performance resin.

Convenient prepacked columns can be used with a syringe, pump, or chromatographic system, such as ÄKTA systems.

Applications

Partial purification of an IgE-stimulating factor from a human T-cell line.

Removal of BSA from an HIV-2 virus lysate.

Purification of anti-mouse Fc IgG from sheep anti-serum.

Maximum operating pressure

5 bar [0.5 MPa] (70 psi)

Matrix

Highly cross-linked, spherical agarose

Average particle size

34 µm

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Ligand

NHS groups

Ligand density

10 µmol/ml medium

Coupling chemistry

pH 6.5 to 9, room temperature, 15–30 min or pH 6.5 to 9, 4°C, 4 hours.

Recommended flow rate

< 4 ml/min

Recommended column height

25 mm

Chemical stability

All common used buffers

pH working range

3–12

CIP stability

3–12

Temperature stability

4°C to room temperature

Storage

4 to 8°C, 100% Isopropanol

Pack size

5 × 1 mL

Maximum flow velocity

4 ml/min (1 ml); 20 ml/min (5 ml).

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Dimensions

7 × 25 mm

Column volume

1 mL

Column i.d.

7 mm

Column hardware pressure limit

5 bar (0.5 MPa)
