

HiTrap MabSelect

Product Information

Cat#No# Hi-016P

Product Overview

HiTrap MabSelect columns are prepacked with MabSelect, a BioProcess resin for capturing of mAbs from large sample volumes.

Characteristic

Increased binding capacity compared with other protein A resins.

High purity in one step.

Convenient, prepacked 1 mL and 5 mL columns.

Excellent for process development and screening of purification conditions.

Simple operation with a syringe, a pump, an ÄKTA system, or other chromatography systems.

Maximum operating pressure

5 bar [0.5 MPa] (70 psi)

Matrix

Highly cross-linked agarose, spherical

Average particle size

~ 85 µm

Ligand

Recombinant protein A (E. coli).

Coupling chemistry

Epoxy

Dynamic binding capacity

~ 30 mg hlgG/mL resin

Recommended flow rate

< 4 ml/min

HiTrap MabSelect

Recommended column height

25 mm

Chemical stability

Stable to commonly used aqueous buffers, 10 mM NaOH (pH 12), 0.1 M sodium citrate/HCl (pH 3), 6M guanidine HCl, 8M urea, 20% ethanol, 2% benzyl alcohol.

pH working range

3 to 10

CIP stability

3.0 to 12.4

Temperature stability

2°C to 40°C

Storage

20% ethanol, 2°C to 8°C

Shipping

20% ethanol

Binding buffer

20 mM sodium phosphate, 0.15 M NaCl, pH 7.2.

Elution buffer

0.1 M sodium citrate, pH 3.0 to 3.6.

Cleaning-in-place

1. Wash with 2 column volumes of 10 mM NaOH, contact time approx. 30 min. 2. Wash immediately with at least 5 column volumes of filtered binding buffer at pH 7 to 8. or 1. Wash with 2 column volumes of 6 M guanidine hydrochloride, contact time approx. 10 min. 2. Wash immediately with at least 5 column volumes of filtered binding buffer at pH 7 to 8.

Sanitization

HiTrap MabSelect

1. Equilibrate the column with 0.1 M acetic acid in 20% ethanol. 2. Allow to stand for 1 hour, and wash with at least 5 column volumes of sterile binding buffer. or 1. Equilibrate the column with 70% ethanol. 2. Allow to stand for 12 hours, and wash with at least 5 column volumes of sterile binding buffer.

Pack size

5 × 1 mL

Maximum flow velocity

4 mL/min for 1 mL and 20 mL/min for 5 mL column.

Dimensions

7 × 25 mm

Column volume

1 ml

Column i.d.

7 mm

Column hardware pressure limit

5 bar (0.5 MPa, 70 psi)
