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 hIgG/mL resin

Recommended flow rate

< 4 ml/min

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CREATIVE BIOMART®
Chromatography

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

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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)

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