

HiScreen IXSelect

Product Information

Cat#No# Hi-067P

Product Overview

HiScreen IXSelect columns are prepacked with IXSelect affinity chromatography medium, and are part of the process development platform available from Cytiva. The columns are an excellent choice for method optimization and parameter screening.

Description

IXSelect is an affinity chromatography resin designed for selective binding of coagulation Factor IX (FIX). The resin can be used, under mild elution conditions, for purifying FIX from plasma as well as from recombinant sources.

Characteristic

IXSelect is a high-throughput resin specifically designed for the purification of factor IX targets from recombinant feed streams.

10 cm bed height of HiScreen columns is designed to allow method optimization and parameter screening. Easily connected in series to achieve 20 cm bed height.

Small bed volume gives fast results and minimal sample/buffer consumption.

Reproducible results, scalable to BioProcess columns packed with the same chromatography resin using the same linear fluid velocity.

Matrix

Highly cross-linked agarose, spherical

Average particle size

75 µm

Ligand

Recombinant protein (Mr 13 151) produced in *Saccharomyces cerevisiae*

Ligand density

Approx. 8 mg/mL resin

HiScreen IXSelect

Dynamic binding capacity

Approx. 6 mg FIX/mL resin

Recommended flow rate

Minimum 600 cm/h in a 1 m diameter column, with 20 cm bed height at 20°C using buffers with the same viscosity as water at < 0.3 MPa (3 bar)

Recommended column height

20 cm

pH working range

3 to 10

CIP stability

2 to 12

Storage

4°C to 30°C

Elution buffer

20 mM Tris-HCl, 2 M MgCl₂, pH 7.4

Equilibration

20 mM Tris-HCl, 150 mM NaCl, pH 7.4

Pack size

1 × 4.7 mL

Wash buffer

20 mM Tris-HCl, 500 mM NaCl, 0.01% Tween 80, pH 7.4
