

HiTrap Desalting columns

Product Information

Cat#No# Hi-122P

Product Overview

HiTrap Desalting are ready-to-use 5 mL columns prepacked with Sephadex G-25 Superfine resin for fast and convenient desalting and buffer exchange.

Characteristic

Convenient desalting and buffer exchange of sample volumes up to 1.5 mL.

Two to five columns can be connected in series for sample sizes from 3 mL to 7.5 mL.

Replaces dialysis for desalting protein, which saves time and reduces labor.

Requires less than one minute with typically > 95% recovery.

HiTrap column format is convenient for use with a syringe, a peristaltic pump, or a chromatography system.

Maximum operating pressure

5 bar [0.5 MPa] (70 psi)

Sample preparation

The sample concentration does not influence the separation as long as the viscosity does not differ more than a factor of 1.5 from that of the buffer used. This corresponds to a maximum concentration of 70 mg/ml for proteins or 5 mg/ml for high molecular weight polymers such as dextran, when normal aqueous buffers are used. The sample should be fully solubilized. Centrifuge or filter (0.45 µm filter) immediately before loading to remove particulate material if necessary.

Matrix

Sephadex G-25 Superfine, crosslinked dextran.

Particle Size

15 to 70 µm

Recommended flow rate

< 15 ml/min

Recommended column height

HiTrap Desalting columns

25 mm

Chemical stability

All commonly used buffers

pH working range

2 to 13

CIP stability

2 to 13

Storage

4 to 30°C, 20% Ethanol

Pack size

100 x 5 mL

Maximum flow velocity

15 ml/min

Maximum operating backpressure

0.25 bar

Dimensions

16 × 25 mm

Column i.d.

16 mm

Column hardware pressure limit

5 bar (0.5 MPa)
