

Superdex 75 Prep Grade

Product Information

Cat#No# Su-505C

Product Overview

Superdex 75 prep grade size exclusion chromatography resin offers very high resolution fractionation for separation, polishing and product formulation of recombinant proteins.

Description

Superdex prep grade is a preparative size exclusion chromatography resin with a composite matrix of dextran and agarose. This matrix combines the excellent size exclusion chromatography properties of cross-linked dextran (Sephadex) with the physical and chemical stabilities of highly cross-linked agarose, to produce a separation resin with outstanding selectivity and high resolution. In addition, its low non-specific interaction permits high recovery of biological material. Together these properties make Superdex prep grade the first choice size exclusion chromatography resin for all applications from laboratory to process scale.

Characteristic

Size exclusion chromatography resin providing exceptional resolution with short run times and good recovery. Superdex 75 prep grade is recommended for purification of recombinant proteins.

BioProcess resin supported for industrial applications and well-established in approved processes.

Matrix

Composite of cross-linked agarose and dextran.

Particle Size

24 µm-44 µm

Average particle size

~34 µm

Chemical stability

Stable in commonly used aqueous buffers for size exclusion chromatography, 1.0 M NaOH, 0.1 M HCl, 1 M acetic acid 8 M urea, 6 M guanidine HCl, 1 % SDS, 70 % ethanol, 30 % iso-propanol, 30 % acetonitrile.

pH working range

Superdex 75 Prep Grade

3–12

CIP stability

1–14

Storage

4 to 30°C, 0.2 M sodium acetate in 20% Ethanol.

Pack size

150 mL

BioProcess resin

Yes
