

Sephadex G-100

Product Information

Cat#No# Se-481C

Product Overview

Sephadex is a gel filtration resin prepared by crosslinking dextran with epichlorohydrin. Different types of Sephadex differ in their degree of cross-linking and hence in their degree of swelling and their molecular fractionation range. Sephadex G-10 is one of five different G-types ranging from G-10 for small molecules to G-75 for larger molecules. Sephadex G-50 is available in 4 different particle sizes (Coarse, resin, Fine & Superfine) and Superfine has the smallest bead size for higher efficiency with shorter diffusion distances. Coarse and resin are preferred for large scale group separations where high flow rates and low operating pressures are required.

Characteristic

Quickly desalts, removes contaminants and transfers to a new buffer in a single step.
Classic gel filtration resin.

Maximum operating pressure

Care must be taken to avoid compressing the gel. Do not increase the pressure beyond 0.096 bar.

Matrix

Cross-linked dextran

Particle Size

wet: 100–310 µm; Dry: 40 µm-120 µm.

pH working range

2–10

Autoclavable

In wet form (pH 7.0) at 120°C for 30 min

Pack size

100 g
