

## Cellulose G-25

**Cat. No.** Cellulose-001C    **Lot. No.** (See product label)

### SPECIFICATION

**Product Overview** Cellulose G-25 provides a rapid means of salt removal and buffer exchange for protein solutions. The semi-rigid spherical cellulose beads allow high flow rates with little compression of the column bed. The separation mechanism is based on differential solute access into the chromatographic bead. G-25 can be used to remove alcohols, salts, detergents, fluorochromes, sugar, etc., from virtually any protein solution. It is compatible with most solvents and is stable from pH 1 - 14.

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**Form** suspension in 20 % EtOH

**Matrix** Crosslinked cellulose

**Molecular Characterization** 3

**Average particle size** 40 – 130 µm

**Recommended flow rate** 100–300 cm/h

**Viscosity** Store unopened container at ambient temperature. Do not freeze. For storage of opened containers, it is recommended that they be kept in a cold room (2-8 °C). Do not freeze.

**Chemical stability** Stable in: pH 1–14 Ethanol, methanol, acetone, etc. 8 M Urea, 6 M Guanidine/HCl; 0.1

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	M HCl; 0.5 M NaOH; Most salts (NaCl, (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> , etc.) Most detergents (SDS, Chaps, etc.)
<b>Physical stability</b>	Media will withstand peristaltic pumping and extended magnetic stirring
<b>pH working range</b>	1-14
<b>Autoclavable</b>	Autoclavable at 121°C for 30 minutes
<b>Shelf life</b>	5 years from date of manufacture

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