

Chelate Cellulose resin

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

SPECIFICATION

Product Overview	Chelate Cellulose resin is designed for immobilized metal chelate affinity chromatography of proteins and peptides. This media comprised of spherical cellulose beads to which iminodiacetic acid (IDA) has been immobilized.
Cat.no	Chelate-001C
Characteristics	Chelate Cellulose resin is based on porous, spherical, crosslinked cellulose beads and has been specifically optimized for metal affinity chromatography. It offers high capacity and good flow rate properties in large industrial columns. The cellulose backbone offers very low non-specific adsorption and the covalent bonding of iminodiacetic acid ensures ligand stability.
Matrix	cellulose
Dynamic binding capacity	22 - 30 $\mu\text{M}/\text{mL}$ Zn^{2+} ; 35 - 45 $\mu\text{M}/\text{mL}$ Cu^{2+}
Recommended flow rate	20 – 150 cm/h
Chemical stability	Compatible with most salts, detergents and chaotropic agents. The operating pH range is 3 – 12. Autoclavable in suspension at neutral pH for 30 minutes at 121°C.
Physical stability	Compatible with most salts, detergents and chaotropic agents. The operating pH range is 3 – 12. Autoclavable in suspension at neutral pH for 30 minutes at 121°C.

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pH working range	2-12
Shelf life	5 years from date of manufacture
Warning	The sample should not contain chelating substances such as EDTA or citric acid.

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