

Amino Cellulose resin

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

SPECIFICATION

Product Overview	Amino Cellulose resin is a primary amine activated support for the covalent immobilization of carboxyl containing proteins and ligands. The base support consists of spherical cellulose beads which exhibit superior rigidity and chemical stability relative to classical agarose media. Such mechanical strength allows for improved throughput at both the bench scale and on the production floor.
Cat.no	Amino-001C
Characteristics	The exclusion properties of Amino Cellulose resin is similar to those of 4% agarose gels. Furthermore, due to the robust internal structure and chemical linkage, immobilized ligands show no appreciable leakage. With the use of a condensation agent, ligands (protein, etc.) can be easily coupled via the reactive amine moiety.
Form	suspension in 20 % EtOH
Matrix	Crosslinked cellulose
Functional group	Primary Amine
Average particle size	125 - 210µm
Ligand concentration	15-20 µmol/mL
Recommended flow rate	20 – 150 cm/h

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Chemical stability	Can be used with any salts, non-ionic detergents, organic solvents. Resistant to 0.1M HCl and 0.5M NaOH. (Note: coupled ligand may not be stable under these conditions)
Physical stability	Will withstand peristaltic pumping and extended mixing
Shelf life	5 years from date of manufacture

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