

## 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.

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**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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<b>Chemical stability</b>	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)
<b>Physical stability</b>	Will withstand peristaltic pumping and extended mixing
<b>Shelf life</b>	5 years from date of manufacture

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