

Amino methacrylic resin

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

SPECIFICATION

Product Overview

Amino activated material is able to immobilize ligands with carboxyl or formyl groups. The product is prepared by introducing amino groups onto a methacrylic polymer. These resins may be used directly for adsorption of compounds having an affinity for the particular amino acid immobilized, or they can serve as functionalised linkers and allow covalent attachment through their free carboxyl terminus to a ligand containing a free primary amine.

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Characteristics

The optimized functional group density of Creative biomart Amino resin (100 µmol/mL) is ideal for coupling of either proteins or low molecular weight ligands. For example, lactose was coupled by reductive alkylation to yield a ligand density of ca. 30 µmol/mL resin.

Form slurry in 20 % (v/v) ethanol


Size 10mL, 25 mL, 100 mL, 1 L

Matrix methacrylic polymer

Functional group Amino group

Average particle size 65 µm


Ligand concentration 100 ± 30 µmol/mL

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Recommended flow rate	normally 60 – 600 cm/h
Recommended column height	5-20cm
Chemical stability	Can be used with any salts, non-ionic detergents, organic solvents. Resistant to 0.1M HCl and 0.5M NaOH.
Physical stability	Will not shrink or swell substantially under changes in pH or ionic strength
pH working range	2-13
Shelf life	10 years

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