



AMINOETHYL & GLYOXAL AGAROSE BEADS vs CNBr

ABT beads utilize a different and safer chemistry which produces a better binding of ligand to the bead. Both resin types give the biomolecules increased stability through the covalent bonds of the enzyme or ligand to the agarose, thus facilitating recovery and later re-use.

BENEFITS

- Very high binding capacity.
- High immobilized enzyme stability.
- Irreversible protein binding.
- Reusable.
- Wider selection of products with different levels of binding capacity and degree of activation to optimize protein recovery.

This covalent binding also confers a qualitative advantage compared to resins activated with CNBr:

GLYOXAL/AMINOETHYL BEADS

- Very stable.
- High reproducibility.
- Ready to use.
- Irreversible binding.
- High yield.
- Long shelf-life.

CNBr ACTIVATED BEADS

- Unstable.
- Low reproducibility.
- Previous hydration step required.
- Reversible binding.
- Low protein yield.
- Short shelf-life.