

TECHNICAL DATA SHEET

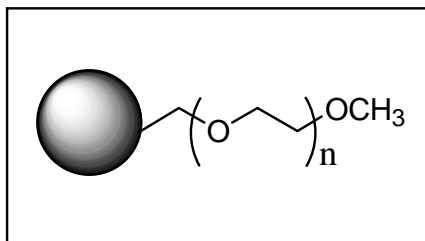
Agarose Beads, PEG coated

Catalog Numbers: AR-PEG-1

Synonym: Polyethylene glycol agarose, Pegylated agarose

Description:

PEG coated agarose beads (Agarose-PEG) from Nanocs were made by the covalent attachment of methoxypolyethylene glycol to crosslinked agarose beads. Typical molecular weight of PEG used has molecular weight of 5000 Da. Other PEGs with different MW can be used upon request. PEG coated agarose beads can be further functionalized to attach other functional ligands to the bead surface. Those pegylated functional agarose beads can be used for biomolecule capture and separation. Because of its unique property, PEG functionalized agarose beads have much less non-specific absorption for other molecules.



Storage Conditions:

PEG coated agarose beads should be stored at 4-8 °C for best use. Do not freeze.

Notes:

Recommended pH: Working: 3-10.

Temperature Stability: 4-40 °C.

This product is for research use only and is not intended for use in humans or for diagnostic use.

Product Specifications:

- **Bead Matrix:** 4% cross-linked agarose bead.
- **Bead Size:** 50~150 microns.
- **Ligand:** Methoxy PEG 5000.
- **Ligand density:** 3-5% (w/v) PEG.
- **Storage Solution:** De-ionized water with 20-30% isopropanol.

Handling and Use:

PEG coated agarose beads are typically suspended in 20-30% ethanol/water solution. Before use, you may need exchange this solution with your working buffer by either through vacuum draining or centrifugation.

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