DiagAg™ Ni-NTA Agarose Particles, 6% Crosslinked, 50-170 µm

Cat.No: DAG-GB23-11

DESCRIPTION

Description	DiagAg™ Ni-NTA Agarose Particles, 6% Crosslinked, 50-170 µm have a binding capacity of ~50 mg/mL. The product allows for purification of proteins under native or denaturing conditions and works very well with the His-Tag buffer. Ni-NTA agarose resin is suitable for use with FPLC, but with pressures no more than 20 kPa. Too much pressure or too fast of a flow rate will result in diminished performance. We recommend using Ni-NTA resins in the presence of elevated levels of reducing agents in order to ensure optimal purification of your target protein. Nickel IDA resins may show some discoloration in reaction with low levels of reducing agents but are still functional at low levels of reducing agents (≤5 mM DTT). NTA cross-linked Agarose resin consists of nitrilotriacetic acid groups ligated by stable ether linkages via a spacer arm. NTA is a tetravalent chelating agent, covalently coupled to cross-linked agarose particles, providing a higher specificity and lower ion leaching than IDA linked resins. NTA resins have also been shown to be more robust in the presence of higher concentrations of EDTA, but may require a higher imidazole concentration for protein elution. This resin is loaded with Ni2+. The resulting, ready-to-use resin is ideal for rapid purifications of His-tagged proteins.

PRODUCT INFORMATION

Diameter	50-170 µm
Functional Group	Ni-NTA
Matrix	6% agarose
Binding Capacity	>50 mg/mL gel

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Maximum Operating Pressure	20 kPa

STORAGE AND SHIPPING

Storage Buffer	15% ethanol
Storage	Store at 4°C. Do not freeze.

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