

DiagAg™ Ni-IDA Agarose Particles (High Density), 6% Crosslinked, 50-150 µm

Cat.No: DAG-GB23-06

DESCRIPTION

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DiagAg™ Ni-IDA Agarose Particles (High Density), 6% Crosslinked, 50-150 µm are available in bulk or in prepacked columns. It has a binding capacity of >25 mg/mL with approximately 60 kDa protein. In addition, it allows for purification of proteins under native or denaturing conditions. The particles are 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. IDA cross-linked Agarose resin consists of iminodiacetic acid groups ligated by stable ether linkages via a spacer arm. IDA is a tridentate chelating agent, covalently coupled to cross-linked agarose particles. This resin is loaded with Ni²⁺. The resulting, ready-to-use resin is ideal for rapid purifications of His-tagged proteins. Some discoloration of the Ni-IDA resin has been observed in reaction with low levels of reducing agents such as DTT. However, the resin remains fully functional even at concentrations as high as 5 mM DTT.

PRODUCT INFORMATION

Diameter	50-150 µm
Functional Group	Ni-IDA
Matrix	6% agarose
Surface Group Density	20-40 µmol Me ²⁺ /mL gel
Maximum Operating Pressure	20 kPa
Autoclavable	30 min at 121°C

STORAGE AND SHIPPING

Storage Buffer	20% ethanol
Stability	Stable in all commonly used reagents.
Storage	Store at 4°C. Do not freeze.