

DiagAg™ Ni-NTA Agarose Particles, 6% Crosslinked, 45-165 µm, High Flow

Cat.No: DAG-YS23-06

DESCRIPTION

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DiagAg™ Ni-NTA Agarose Particles, 6% Crosslinked, 45-165 µm, High Flow make highly crosslinked 6% agarose gel as the matrix, and four coordination of nitrogen chuan triacetic acid (NTA) as the ligand by chemical method coupling. A very stable octahedral structure formed after chelating nickel ion (Ni^{2+}). Nickel ion is in the center of the octahedra, which can protect nickel ions from the attack of small molecules and tolerate a certain concentration of harsh conditions such as reducing agent, denaturant or coupling agent. In addition, due to the pressure resistance of its matrix, the product can be used for industrial large-scale protein purification, which can realize the purification of the target protein at a relatively high flow rate.

APPLICATION

Application Notes	Protein purification
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PRODUCT INFORMATION

Diameter	45-165 µm
Functional Group	Ni-NTA
Usage Statement	1. This product is used for scientific research purposes only. 2. For your safety and health, please wear laboratory clothes and wear disposable gloves.
Matrix	6% agarose
Binding Capacity	>40 mg 6×His-tagged protein/mL matrix



Maximum Operating Pressure	300 kPa, 3 bar
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STORAGE AND SHIPPING

Storage Buffer	1X PBS containing 20% ethanol
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Storage	Store at 2-8°C. Do not freeze.
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Shipping Condition	Ship with an ice pack.
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Shelf Life	2 years
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