

Ni Agarose high flow

Cat. No. Ni-001A **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Ni Agarose is an 4% cross-linked agarose medium covalently coupled to a chelating agent that binds Ni ²⁺ by four coordination sites for high-affinity purification of polyhistidine-tagged recombinant proteins. High Affinity Ni-Charged Resin has low Ni ²⁺ leakage, high protein-binding capacity and stability, and is compatible with a wide range of additives used in protein purification. This makes High Affinity Ni-Charged Resin the excellent choice for high performance purification of polyhistidine-tagged proteins.
-------------------------	---

Cat.no	Ni-001A
---------------	---------

Characteristics	Ni Agarose High Flow charged with nickel ions will selectively retain proteins containing a histidine-tag. Histidinetagged protein is then eluted using buffers containing imidazole. For purification of insoluble histidine-tagged proteins (fusion proteins expressed as inclusion bodies) requiring denaturing conditions, up to 8 M urea or 6 M guanidine hydrochloride can be used in the buffers to solubilise insoluble proteins.
------------------------	---

Size	10 mL, 25 mL, 500 mL
-------------	----------------------

Matrix	4% cross-linked agarose
---------------	-------------------------

Average particle size	90 µm
------------------------------	-------

Ligand	Ni ²⁺
---------------	------------------

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Dynamic binding capacity	20 mg of 6xHis-tagged protein (27 kDa) /ml settled resin
Recommended column height	5-20cm
Temperature Stability	4-40 °C

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA