

Ni-NTA Agarose

NP-40211
NP-40231
NP-40251

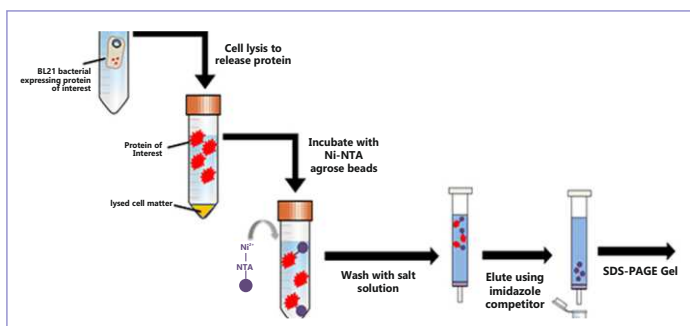
Ni-NTA Agarose is a nickel-charged affinity resin that can be used to purify recombinant proteins containing a polyhistidine (6xHis) sequence. Proteins bound to the resin may be eluted with either low pH buffer or by competition with imidazole or histidine. One-step purification can be performed under both native and denaturing conditions. Ni-NTA uses the chelating ligand nitrilotriacetic acid (NTA) coupled to a cross-linked 6% agarose resin that is suitable for use in batch and gravity flow applications.

Provided as a 50% slurry in 30% ethanol. The resin will appear blue in color when charged with Ni^{2+} .

- High-quality, stable and resilient affinity support
- Bind up to 50 mg of 6xHis-tagged protein per ml of resin
- Purify proteins using native or denaturing conditions
- Same batch of resin can be reused at least five times

Application:

- Batch Binding
- Gravity flow column chromatography
- MPLC/FPLC



SPECIFICATIONS

Cat. No.	NP-40211 / NP-40231 / NP-40251
Selling unit	25 mL, 100 mL, 500 mL
Application	Purification of His-tag proteins
Target	Protein
CE certified	Yes
Technology	Immobilized metal ion affinity chromatography
Chelating ligand	NTA (nitrilotriacetic acid)
Brand	Nucleo-pore®
Format	Aqueous suspension
Automated use	No
Sample material	Protein solution
Matrix	6 % beaded agarose (cross-linked), pre-charged with Ni^{2+}
Bead size	45-165 μm
Theoretical binding capacity	< 50 mg/mL settled agarose
Storage temperature	4-8°C
Shelf life (from production)	24 Month(s)
Hazardous material	Yes

Purification of low expressing his-tagged proteins

