Catalog number RS-NINTA

Ni-NTA Agarose, 6% cross-linked

Nitrilotriacetic acid resin charged with Ni2+ on 6% cross-linked agarose, binding >=40 mg of 6xHis-tagged protein per mL of resin. The standard IMAC support for His-tag capture under native or denaturing conditions.

Specification

Ligand	Ni2+-NTA (nitrilotriacetic acid)
Matrix	6% cross-linked agarose
Bead type	spherical
Bead size	90 µm (d50 volume-weighted)
Dynamic binding capacity	40 mg 6xHis protein/mL resin (10% breakthrough, 6xHis-GFP model protein)
Max linear flow	300 cm/h
Max pressure	0.1 MPa
Binding buffer	50 mM NaH2PO4, 300 mM NaCl, 10 mM imidazole, pH 8.0
Elution buffer	50 mM NaH2PO4, 300 mM NaCl, 250 mM imidazole, pH 8.0
Storage buffer	30% ethanol
Clean-in-place	Strip with 100 mM EDTA, wash with 6 M guanidine-HCl or 0.5 M NaOH while uncharged, then recharge with 100 mM NiSO4 and re-equilibrate. Never apply NaOH to a charged bed: the nickel precipitates as hydroxide in the bead and the resin stops binding while still looking blue.
Format	bulk resin

Ordering

Catalog no.	Pack	List price	Availability
RS-NINTA-5ML	5 mL resin	$25	Waitlist
RS-NINTA-25ML	25 mL resin	$95	Waitlist
RS-NINTA-100ML	100 mL resin	$320	Waitlist
RS-NINTA-1ML-COL	1 mL prepacked column	$30	Waitlist

Storage and shipping

RS-NINTA continued

Cold chain	Ambient. No cold chain required in transit.
Hazard classification	None
Certificate of Analysis	Issued per lot and shipped with the product. Any lot can be retrieved at bramantebio.com/support/coa/

Research use only

For research use only. Not for use in diagnostic or therapeutic procedures, and not for human or veterinary use. The purchaser is responsible for determining suitability for their application and for compliance with applicable biosafety and institutional requirements.