

Datasheet

Cat# NBGN-100125

Version# RN5.9



Product Name	NebuChem™ Ni-Charged Magnetic Beads
Size	2ml; 10ml; Bulk
Description	<p>NebuChem™ Ni-Charged Magnetic Beads(CAT#NBGN-100125) are developed for quick and efficient small-scale purification of polyhistidine-tagged proteins under native or denaturing conditions. Perform cell lysis under native or denaturing conditions. Add the cell lysate containing your polyhistidine-tagged proteins to NebuChem™ Ni-Charged Magnetic Beads(CAT#NBGN-100125) and allow the proteins bind to the magnetic beads. Then the isolated proteins can be eluted from the beads. Magnetic separation eliminates the need for multiple tubes, minimizes the loss of sample and removes several steps of the centrifugation process. NebuChem™ Ni-Charged Magnetic Beads(CAT#NBGN-100125) are average 40 μm in size, super paramagnetic beads with strong metal-chelating agent covalently bound to their surfaces. They are pre-charged with nickel and ready to use for quick and small-scale purification of polyhistidine-tagged proteins. The beads are supplied as 25% slurry in phosphate buffered saline (PBS), pH 7.4, containing 20% ethanol and 1 mM NiSO₄. NebuChem™ Ni-Charged Magnetic Beads(CAT#NBGN-100125) have a binding capacity of 40 mg 6×His-tagged protein per 1 mL settled beads (e.g. 4 mL 25% slurry).</p>
Reagents Compatible with High Affinity Ni-Charged Resin	<p>6 M Gu·HCl 8 M Urea 2% Triton X-100 2% Tween 20 1% CHAPS 20 mM β-ME 1 mM DTT 4 M MgCl₂ 5 mM CaCl₂ 2 M NaCl 50% glycerol 20% ethanol 1 mM EDTA</p>
Storage	<p>This product is stable until the expiration date stated on the COA, when stored unopened at 2–8°C. Do NOT freeze the product. Keep the MagBeads in liquid suspension during storage and all handling steps. Drying will cause loss of binding capacity and result in reduced performance. Resuspend the beads well</p>

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before use. Be careful to avoid bacterial/fungal contamination.
