

Datasheet

Cat#NBGN-100109

Version# RN5.9



Product Name	NebuChem™ Ni-Charged Resin
Size	10ml;50ml;100ml;Bulk
Description	NebuChem™ Ni-Charged Resin(CAT#NBGN-100109) 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. NebuChem™ Ni-Charged Resin(CAT#NBGN-100109) 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.
Matrix	4% cross-linked agarose
Average Particle Size	90µm (45-165µm)
Dynamic binding capacity	≥20 mg of 6xHis-tagged protein (27kDa) /ml settled resin
Storage Solution	1X PBS containing 20% ethanol
Reagents Compatible with High Affinity Ni-Charged Resin	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 MgCl ₂ 5 mM CaCl ₂ 2 M NaCl 50% glycerol 20% ethanol 1 mM EDTA
Storage	2-8 °C; Freezing is prohibited