

# Datasheet

Cat#NBGN-100109

Version# RN5.9



<b>Product Name</b>	NebuChem™ Ni-Charged Resin
<b>Size</b>	10ml; 50ml; 100ml; Bulk
<b>Description</b>	NebuChem™ Ni-Charged Resin(CAT#NBGN-100109) is an 4% cross-linked agarose medium covalently coupled to a chelating agent that binds Ni <sup>2+</sup> by four coordination sites for high-affinity purification of polyhistidine-tagged recombinant proteins. NebuChem™ Ni-Charged Resin(CAT#NBGN-100109) has low Ni <sup>2+</sup> 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.
<b>Matrix</b>	4% cross-linked agarose
<b>Average Particle Size</b>	90µm (45-165µm)
<b>Dynamic binding capacity</b>	≥20 mg of 6xHis-tagged protein (27kDa) /ml settled resin
<b>Storage Solution</b>	1X PBS containing 20% ethanol
<b>Reagents Compatible with High Affinity Ni-Charged Resin</b>	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 <sub>2</sub> 5 mM CaCl <sub>2</sub> 2 M NaCl 50% glycerol 20% ethanol 1 mM EDTA
<b>Storage</b>	2-8 °C; Freezing is prohibited