

# Resource Summary Report

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## NEBExpress Ni Resin Gravity Flow Typical Protocol (NEB #S1428)

DOI:10.17504/protocols.io.bfd7ji9n

Type: Protocol

### Proper Citation

New England Biolabs 2020. NEBExpress Ni Resin Gravity Flow Typical Protocol (NEB #S1428). protocols.io [dx.doi.org/10.17504/protocols.io.bfd7ji9n](https://dx.doi.org/10.17504/protocols.io.bfd7ji9n)

### Protocol Information

**URL:** <https://dx.doi.org/10.17504/protocols.io.bfd7ji9n>

**Authors:** New England Biolabs

**Group:** New England Biolabs (NEB)

**Summary:** NEBExpress® Ni Resin is an affinity matrix for the isolation and purification of polyhistidine-tagged (His-tagged) fusion proteins. It is intended for use in gravity or pressure flow columns, and batch purifications. NEBExpress Ni Resin is comprised of a highly uniform and stable chemical-tolerant resin, pre-charged with nickel ions on the matrix surface. It is resistant to a wide range of chemicals, including NaOH, EDTA, DTT and  $\beta$ -Mercaptoethanol. Purification of  $\geq 10$  mg His-tagged protein per 1 ml of resin. Intended for use in gravity or pressure flow columns, and batch purifications. High specific binding of His-tagged proteins yielding purities of  $>95\%$ . Strong nickel ion binding provides excellent resistance to EDTA and reducing agents. Compatible with commercially available detergent-based cell lysis reagents. Isolation and purification of His-tagged fusion proteins under native or denaturing conditions.

**Affiliations:** New England Biolabs

**External URL:** <https://www.neb.com/protocols/2019/09/10/nebexpress-ni-resin-gravity-flow-typical-protocol>

**Version:** 1

**Publication Date:** 2020

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