

New England Biolabs Product Specification

Product Name: NEBExpress™ Ni Spin Columns
Catalog #: S1427S/L
Concentration: 0.1 ml bed volume
Shelf Life: 24 months
Storage Temp: 4°C
Storage Conditions: 20% Ethanol
Specification Version: PS-S1427S/L v1.0
Effective Date: 30 Jul 2019

Assay Name/Specification (minimum release criteria)

Binding Capacity (Resin) - NEBExpress™ Ni Spin Columns (100 µl bed volume) were equilibrated and incubated with 500 µl of crude extract from *E. coli* containing a plasmid that expresses a His₆-GluRS fusion protein for 15 minutes at 25°C, then washed and the His₆-GluRS fusion protein eluted. Binding capacity was determined to be ≥1.0 mg of target protein per column.

Functional Binding Assay (Qualitative) - NEBExpress™ Ni Spin Columns (100 µl bed volume) were equilibrated and incubated with 500 µl of crude extract from *E. coli* containing a plasmid that expresses a His₆-GluRS fusion protein for 15 minutes at 25°C, then washed, eluted and evaluated by SDS-PAGE to confirm low non-specific binding of extract proteins and high isolation of target.



Date 30 Jul 2019

Derek Robinson
Director of Quality Control

