

New England Biolabs Product Specification

Product Name: Ni-NTA Magnetic Beads
Catalog #: S1423S/L
Concentration: 10 % v/v
Shelf Life: 36 months
Storage Temp: 4°C
Storage Conditions: 20% Ethanol
Specification Version: PS-S1423S/L v1.0
Effective Date: 28 Sep 2018

Assay Name/Specification (minimum release criteria)

Binding Capacity (Magnetic Beads) - Ni-NTA Magnetic Beads (50 µl) were equilibrated and incubated with 200 µl of crude extract from *E. coli* containing a plasmid that expresses a His₆-LysRS fusion protein for 30 minutes at 25°C, then washed and the His₆-LysRS fusion protein eluted. Binding capacity was determined to be >7.5 mg of target protein per mL of bed volume.

Functional Binding Assay (Qualitative) - Ni-NTA Magnetic Beads (50 µl) were equilibrated and incubated with 200 µl of crude extract from *E. coli* containing a plasmid that expresses a His₆-LysRS fusion protein for 30 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 28 Sep 2018

Derek Robinson
Director of Quality Control

