

New England Biolabs Certificate of Analysis

Product Name: Protein A Magnetic Beads
Catalog Number: S1425S
Lot Number: 10048368
Expiration Date: 04/2022
Storage Temperature: 4°C
Storage Conditions: 0.02 % NaN₃, 0.1 % BSA, 0.05 % Tween@20, 1 X PBS, (pH 7.4 @ 25°C)
Specification Version: PS-S1425S v1.0

| Protein A Magnetic Beads Component List | | | |
|---|--------------------------|------------|----------------------|
| NEB Part Number | Component Description | Lot Number | Individual QC Result |
| S1425SVIAL | Protein A Magnetic Beads | 10040016 | Pass |

| Assay Name/Specification | Lot # 10048368 |
|---|----------------|
| Binding Capacity (Magnetic Beads) Protein A Magnetic Beads (100 µl) were equilibrated and incubated with 500 µl of Human Serum IgG for 1 hour at 25°C, then washed and the IgG eluted. Binding capacity was determined to be >280 µg of IgG per ml of beads. | Pass |
| Functional Binding Assay (Qualitative) Protein A Magnetic Beads (100 µl) were equilibrated and incubated with 500 µl of Human Serum IgG for 1 hour at 25°C, then washed, eluted and evaluated by Tris-Glycine gel to confirm low non-specific binding of extract proteins and high isolation of target. | Pass |
| Non-Specific DNase Activity (16 hour, Buffer) A 50 µl reaction in Protein A Magnetic Bead Storage Buffer containing 1 µg of PhiX174-HaeIII DNA incubated for 16 hours at 37°C results in a DNA pattern free of detectable nuclease degradation as determined by agarose gel electrophoresis. | Pass |
| RNase Activity (Buffer) A 10 µl reaction in Protein A Magnetic Bead Storage Buffer containing 40 ng of a 300 base single-stranded RNA is incubated at 37°C. After incubation for 16 hours, >90% of the substrate RNA remains intact as determined by fluorescent detection. | Pass |

This product has been tested and shown to be in compliance with all specifications.



Brad Landgraf
Production Scientist
15 Apr 2019



Michael Tonello
Packaging Quality Control Inspector
02 Jul 2019