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## New England Biolabs Certificate of Analysis

Product Name: Protein A Magnetic Beads

Catalog Number: \$1425\$
Lot Number: 10040014
Expiration Date: 12/2021
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			
<b>NEB Part Number</b>	Component Description	Lot Number	Individual QC Result
S1425SVIAL	Protein A Magnetic Beads	10031562	Pass

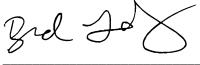
Assay Name/Specification	Lot # 10040014
Binding Capacity (Magnetic Beads) Protein A Magnetic Beads ( 100 μl ) were equilibrated and incubated with 500 μl of Human Serum IgG for 1 hour at 25°C, then washed and the IgG eluted. Binding capacity was determined to be >280 μg of IgG per ml of beads.	Pass
RNase 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
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
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

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



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Brad Landgraf Production Scientist 05 Dec 2018 Michael Tonello

Packaging Quality Control Inspector

12 Apr 2019

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