

New England Biolabs Certificate of Analysis

Product Name: *Protein A Magnetic Beads*
Catalog #: *S1425S*
Lot #: *0121709*
Assay Date: *09/2017*
Expiration Date: *09/2020*
Storage Temp: *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*
Effective Date: *15 Jun 2018*

Assay Name/Specification (minimum release criteria)	Lot #0121709
<p>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.</p>	Pass
<p>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.</p>	Pass
<p>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.</p>	Pass
<p>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.</p>	Pass



Authorized by
Derek Robinson
15 Jun 2018



Inspected by
Michael Sproviero
11 Sep 2017

