

New England Biolabs Certificate of Analysis

Product Name: Protein G Magnetic Beads
Catalog #: S1430S
Lot #: 0201711
Assay Date: 11/2017
Expiration Date: 11/2020
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-S1430S v1.0
Effective Date: 15 Jun 2018

Assay Name/Specification (minimum release criteria)	Lot #0201711
<p>Binding Capacity (Magnetic Beads) - Protein G 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 G 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 G 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 G 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
03 Nov 2017

