

New England Biolabs Certificate of Analysis

Product Name: Protein G Magnetic Beads
Catalog Number: S1430S
Lot Number: 10026460
Expiration Date: 11/2021
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-S1430S v1.0

Protein G Magnetic Beads Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
S1430SVIAL	Protein G Magnetic Beads	10026461	Pass

Assay Name/Specification	Lot # 10026460
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.	Pass
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.	Pass
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.	Pass
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.	Pass

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



Brad Landgraf
Production Scientist
09 Nov 2018



Michael Tonello
Packaging Quality Control Inspector
12 Nov 2018