

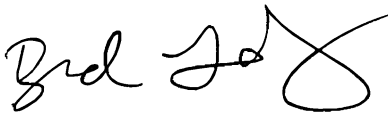
New England Biolabs Certificate of Analysis

Product Name: Goat Anti-Mouse IgG Magnetic Beads
Catalog Number: S1431S
Concentration: 20 mg/ml
Lot Number: 10021696
Expiration Date: 10/2021
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-S1431S v1.0

Goat Anti-Mouse IgG Magnetic Beads Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
S1431SVIAL	Goat Anti-Mouse IgG Magnetic Beads	10021697	Pass

Assay Name/Specification	Lot # 10021696
Binding Capacity (Magnetic Beads) Goat Anti-Mouse IgG Magnetic Beads (1 mg) were equilibrated and incubated with 200 µl of >0.5 mg/ml Purified Mouse IgG for 1 hour at 25°C, then washed and the Mouse IgG eluted. Binding capacity was determined to be >5 µg of Mouse IgG per mg of beads.	Pass
Functional Binding Assay (Qualitative) Goat Anti-Mouse IgG Magnetic Beads (1 mg) were equilibrated and incubated with 500 µl of Serum containing Mouse 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 Goat Anti-Mouse IgG 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 Goat Anti-Mouse IgG 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
18 Oct 2018



Michael Tonello
Packaging Quality Control Inspector
09 Nov 2018