

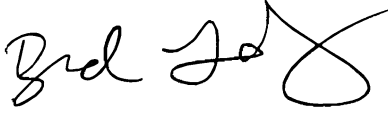
New England Biolabs Certificate of Analysis

Product Name: Goat Anti-Rat IgG Magnetic Beads
Catalog Number: S1433S
Concentration: 20 mg/ml
Packaging Lot Number: 10059827
Expiration Date: 01/2023
Storage Temperature: 4°C
Storage Conditions: 0.02 % NaN₃, 0.05 % Tween® 20, 0.1 % BSA, 1 X PBS, (pH 7.4 @ 25°C)
Specification Version: PS-S1433S v1.0

Goat Anti-Rat IgG Magnetic Beads Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
S1433SVIAL	Goat Anti-Rat IgG Magnetic Beads	10059828	Pass

Assay Name/Specification	Lot # 10059827
Non-Specific DNase Activity (16 hour, Buffer) A 50 µl reaction in Goat Anti-Rat 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-Rat 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
Functional Binding Assay (Qualitative) Goat Anti-Rat IgG Magnetic Beads (1 mg) were equilibrated and incubated with 500 µl of Serum containing Rat 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
Binding Capacity (Magnetic Beads) Goat Anti-Rat IgG Magnetic Beads (1 mg) were equilibrated and incubated with 200 µl of >0.5 mg/ml Purified Rat IgG for 1 hour at 25°C, then washed and the Rat IgG eluted. Binding capacity was determined to be >5 µg of Rat IgG per mg of beads.	Pass

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



Brad Landgraf
Production Scientist
17 Jan 2020



Michael Tonello
Packaging Quality Control Inspector
21 Jan 2020