

New England Biolabs Product Specification

Product Name: Amylose Magnetic Beads
Catalog #: E8035S
Concentration: 10 mg/ml
Shelf Life: 36 months
Storage Temp: 4°C
Storage Conditions: 20% Ethanol
Specification Version: PS-E8035S v1.0
Effective Date: 15 Jun 2018

Assay Name/Specification (minimum release criteria)

Binding Capacity (Magnetic Beads) - Amylose Magnetic Beads (1 mg) were equilibrated and incubated with 500 µl of crude extract from *E. coli* containing a plasmid that expresses a MBP5*-paramyosinΔSal fusion protein for 2 hours at 25°C, then washed and the MBP5*-paramyosinΔSal fusion protein eluted. Binding capacity was determined to be >10 µg of target protein per mg of beads.

Functional Binding Assay (Qualitative) - Amylose Magnetic Beads (1 mg) were equilibrated and incubated with 500 µl of crude extract from *E. coli* containing a plasmid that expresses a MBP5*-paramyosinΔSal fusion protein for 2 hours at 25°C, then washed, eluted and evaluated by SDS-PAGE to confirm low non-specific binding of extract proteins and high isolation of target.



Date 15 Jun 2018

Derek Robinson
Director of Quality Control

