

New England Biolabs Product Specification

Product Name: Chitin Magnetic Beads
Catalog #: E8036S/L
Shelf Life: 36 months
Storage Temp: 4°C
Specification Version: PS-E8036S/L v1.0
Effective Date: 15 May 2018

Assay Name/Specification (minimum release criteria)

Binding Capacity (Magnetic Beads) - Chitin Magnetic Beads (25 µl) were equilibrated and incubated with 500 µl of crude extract from *E. coli* containing a plasmid that expresses a SNAP-intein-chitin binding domain fusion protein for 1 hour at 25°C, then washed and the intein cleaved and target eluted. Binding capacity was determined to be >2 mg of target protein per ml of bed volume.

Functional Binding Assay (Qualitative) - Chitin Magnetic Beads (25 µl) were equilibrated and incubated with 500 µl of crude extract from *E. coli* containing a plasmid that expresses a SNAP-intein-chitin binding domain fusion protein 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.



Date 15 May 2018

Derek Robinson
Director of Quality Control

