

## New England Biolabs Product Specification

*Product Name:* SNAP-Capture Magnetic Beads  
*Catalog #:* S9145S  
*Shelf Life:* 36 months  
*Storage Temp:* 4°C  
*Specification Version:* PS-S9145S v1.0  
*Effective Date:* 25 Apr 2018

### Assay Name/Specification (minimum release criteria)

**Binding Capacity (Magnetic Beads)** - SNAP-Capture Magnetic Beads ( 20 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 SNAP-intein-CBD fusion cleaved and eluted. Binding capacity was determined to be ≥1 mg of target protein per ml of bed volume.

**Functional Binding Assay (Qualitative)** - SNAP-Capture Magnetic Beads ( 20 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 25 Apr 2018

Derek Robinson  
Director of Quality Control

