

## New England Biolabs Certificate of Analysis


Product Name: *Chitin Magnetic Beads*  
 Catalog Number: *E8036S*  
 Packaging Lot Number: *10111489*  
 Expiration Date: *07/2024*  
 Storage Temperature: *4°C*  
 Specification Version: *PS-E8036S/L v1.0*

Chitin Magnetic Beads Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E8036SVIAL	Chitin Magnetic Beads	10111488	Pass

Assay Name/Specification	Lot # 10111489
<p><b>Functional Binding Assay (Qualitative)</b>            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.</p>	Pass
<p><b>Binding Capacity (Magnetic Beads)</b>            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 &gt;2 mg of target protein per ml of bed volume.</p>	Pass

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

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16 Jul 2021



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16 Jul 2021