

New England Biolabs Certificate of Analysis

Product Name: M13K07 Helper Phage
 Catalog Number: N0315S
 Concentration: 1 x10e11 pfu/ml
 Packaging Lot Number: 10193038
 Expiration Date: 04/2025
 Storage Temperature: -20°C
 Storage Conditions: 1X PBS, 50% Glycerol
 Specification Version: PS-N0315S v1.0

M13K07 Helper Phage Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N0315SVIAL	M13K07 Helper Phage	10182281	Pass

Assay Name/Specification	Lot # 10193038
Absolute Phage Titer Infection of a mid-log culture of E. coli ER2690 with M13K07 Helper Phage followed by plating, yields $\geq 1 \times 10^{11}$ pfu/ml.	Pass
Functional Testing (Helper Ratio) Superinfection of an early-log culture of E. coli ER2738/pLITMUS 38 with 3×10^8 pfu/ml M13K07, followed by incubation for 18 hours in the presence of 70 μg /ml kanamycin yields > 10-fold excess of packaged phagemid DNA over helper phage.	Pass
Viable Cell Titer Plating a 300 μl suspension of M13K07 Helper Phage for viable cells on LB agar yields a titer of $<1 \times 10^2$ cfu/ml.	Pass

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

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit www.neb.com/trademarks for additional information.

Beth M. Paschal

Beth Paschal
Production Scientist
13 Apr 2023



Josh Hersey
Packaging Quality Control Inspector
18 Jul 2023