

New England Biolabs Certificate of Analysis

Product Name: M13K07 Helper Phage
 Catalog Number: N0315S
 Concentration: 1 x 10¹¹ pfu/ml
 Packaging Lot Number: 10061878
 Expiration Date: 11/2021
 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	10058302	Pass

Assay Name/Specification	Lot # 10061878
Viable Cell Titer Plating a 300 µl suspension of M13K07 Helper Phage for viable cells on LB agar yields a titer of <1 x 10 ² cfu/ml.	Pass
Functional Testing (Helper Ratio) Superinfection of an early-log culture of E. coli ER2738/pLITMUS 38 with 3 x 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
Absolute Phage Titer Infection of a mid-log culture of E. coli ER2690 with M13K07 Helper Phage followed by plating, yields ≥ 1 x 10 ¹¹ pfu/ml.	Pass

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

Beth M. Paschal

Beth Paschal
Production Scientist
01 Nov 2019

Michael Tonello

Michael Tonello
Packaging Quality Control Inspector
03 Feb 2020