

New England Biolabs Certificate of Analysis

Product Name: M13K07 Helper Phage
 Catalog Number: N0315S
 Concentration: 1 x10e11 pfu/ml
 Lot Number: 10049752
 Expiration Date: 05/2021
 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	10041831	Pass

Assay Name/Specification	Lot # 10049752
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.

Beth M. Paschal

Beth Paschal
Production Scientist
09 May 2019

Jay Minichiello

Jay Minichiello
Packaging Quality Control Inspector
13 Aug 2019