

New England Biolabs Certificate of Analysis

Product Name: M13K07 Helper Phage
Catalog Number: N0315S
Concentration: 1 x10e11 pfu/ml
Unit Definition:
Lot Number: 10007444
Expiration Date: 06/2020
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	10007445	Pass

Assay Name/Specification	Lot # 10007444
Viable Cell Titer Plating a 300 µl suspension of M13K07 Helper Phage for viable cells on LB agar yields a titer of <math><1 \times 10^2 \text{ cfu/ml}</math>.	Pass
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

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

Beth M. Paschal

Beth Paschal
Production Scientist
13 Jun 2018

Michael Tonello

Michael Tonello
Packaging Quality Control Inspector
14 Jun 2018