

*be* INSPIRED *drive* DISCOVERY *stay* GENUINE

240 County Road Ipswich, MA 01938-2723 Tel 978-927-5054 Fax 978-921-1350 www.neb.com info@neb.com

## New England Biolabs Certificate of Analysis

Product Name:	M13K07 Helper Phage
Catalog Number:	N0315S
Concentration:	1 x10e11 pfu/ml
Unit Definition:	
Lot Number:	10025782
Expiration Date:	10/2020
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	10018054	Pass	

Assay Name/Specification	Lot # 10025782
Absolute Phage Titer Infection of a mid-log culture of E. coli ER2690 with M13KO7 Helper Phage followed by plating, yields $\ge$ 1 x 1011 pfu/ml.	Pass
<b>Functional Testing (Helper Ratio)</b> Superinfection of an early-log culture of E. coli ER2738/pLITMUS 38 with 3 x 108 pfu/ml M13KO7, 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
<b>Viable Cell Titer</b> Plating a 300 µl suspension of M13KO7 Helper Phage for viable cells on LB agar yields a titer of <1 x 10 <sup>2</sup> cfu/ml.	Pass

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





be INSPIRED drive DISCOVERY stay GENUINE

240 County Road Ipswich, MA 01938-2723

Tel 978-927-5054 Fax 978-921-1350 www.neb.com info@neb.com

Beth M. Paschal

Beth Paschal Production Scientist 19 Oct 2018

Josh Hersey Packaging Quality Control Inspector

Packaging Quality Control Ir 07 Nov 2018

