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New England Biolabs Certificate of Analysis

Product Name: M13K07 Helper Phage

Catalog Number: N0315S

Concentration: 1 x10e11 pfu/ml

Packaging Lot Number: 10235827
Expiration Date: 11/2025
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	10212183	Pass	

Assay Name/Specification	Lot # 10235827
Absolute Phage Titer Infection of a mid-log culture of E. coli ER2690 with M13KO7 Helper Phage followed by plating, yields ≥ 1 x 1011 pfu/ml.	Pass
Functional Testing (Helper Ratio) 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
Viable Cell Titer Plating a 300 μl suspension of M13KO7 Helper Phage for viable cells on LB agar yields a titer of <1 x 10² cfu/ml.	Pass

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

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Beth M. Paschel

Beth Paschal Production Scientist 29 Nov 2023 Michael Tonello

Packaging Quality Control Inspector

16 May 2024

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