

New England Biolabs Certificate of Analysis

Product Name: M13K07 Helper Phage
Catalog Number: N0315S
Concentration: 1 x10e11 pfu/ml
Packaging Lot Number: 10266644
Expiration Date: 10/2026
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 | 10256978 | Pass |

| Assay Name/Specification | Lot # 10266644 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| Absolute Phage Titer Infection of a mid-log culture of E. coli ER2690 with M13KO7 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 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 $<1 \times 10^2$ cfu/ml. | Pass |

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

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit www.neb.com/trademarks for additional information.

Beth M. Paschal

Beth Paschal
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08 Nov 2024

Michael Tonello

Michael Tonello
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08 Nov 2024