

## New England Biolabs Certificate of Analysis

Product Name: *HiScribe<sup>®</sup> T7 ARCA mRNA Kit*  
 Catalog Number: *E2065S*  
 Packaging Lot Number: *10181669*  
 Expiration Date: *05/2024*  
 Storage Temperature: *-20°C*  
 Specification Version: *PS-E2065S v1.0*

| HiScribe <sup>®</sup> T7 ARCA mRNA Kit Component List |                       |            |                      |
|---|-----------------------|------------|----------------------|
| NEB Part Number                                       | Component Description | Lot Number | Individual QC Result |
| N2053AVIAL  | 2X ARCA/NTP Mix       | 10149500   | Pass                 |
| N0247AVIAL  | CLuc Control Template | 10145440   | Pass                 |
| M0303AAVIAL   | DNase I (RNase-free)  | 10181026   | Pass                 |
| M0255AAVIAL   | T7 RNA Polymerase Mix | 10171236   | Pass                 |
| B2051AVIAL  | LiCl Solution         | 10157680   | Pass                 |

| Assay Name/Specification  | Lot # 10181669          |
|---|-------------------------|
| <p><b>* Individual Product Component Note</b><br/>           Standard Quality Control Tests are performed for each component included in HiScribe<sup>®</sup> T7 ARCA mRNA Kit and meet the designated specifications.</p> <p><b>Functional Testing (RNA Synthesis, Yield)</b><br/>           A 20 µl reaction in the presence of 1 X ARCA/NTP Mix containing 1 µg CLuc Control Template with 2 µl of the T7 RNA Polymerase Mix incubated for 30 minutes at 37°C results in a minimum of 15 µg of a 1.6 kb RNA as determined by OD 260 and agarose gel electrophoresis.</p> | <p>Pass</p> <p>Pass</p> |

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](http://www.neb.com/trademarks) for additional information.

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22 Feb 2023