

## New England Biolabs Certificate of Analysis

Product Name: *HiScribe™ T7 ARCA mRNA Kit (with Tailing)*  
 Catalog Number: *E2060S*  
 Packaging Lot Number: *10116276*  
 Expiration Date: *01/2023*  
 Storage Temperature: *-20°C*  
 Specification Version: *PS-E2060S v1.0*

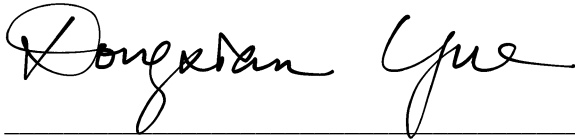
| HiScribe™ T7 ARCA mRNA Kit (with Tailing) Component List |                                    |            |                      |
|--|------------------------------------|------------|----------------------|
| NEB Part Number  | Component Description              | Lot Number | Individual QC Result |
| N2053AVIAL   | 2X ARCA/NTP Mix                    | 10116278   | Pass                 |
| N0247AVIAL   | CLuc Control Template              | 10099611   | Pass                 |
| M0444AVIAL   | E. coli Poly(A) Polymerase         | 10111715   | Pass                 |
| M0303AAVIAL  | DNase I (RNase-free)               | 10099612   | Pass                 |
| M0255AAVIAL  | T7 RNA Polymerase Mix              | 10110984   | Pass                 |
| B2051AVIAL   | LiCl Solution                      | 10103368   | Pass                 |
| B0276SVIAL   | Poly(A) Polymerase Reaction Buffer | 10114403   | Pass                 |

| Assay Name/Specification   | Lot # 10116276 |
|--|----------------|
| <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.    | Pass           |
| <b>Functional Testing (RNA Tailing, Length)</b><br>A 50 µl reaction in Poly(A) Polymerase Reaction Buffer containing a minimum of 15 µg of HiScribe™ RNA product and 5 µl of Poly(A) Polymerase incubated for 30 minutes at 37°C results in a visible shift of the 1.6 kb RNA band as determined by agarose gel electrophoresis. | Pass           |
| <b>* Individual Product Component Note</b><br>Standard Quality Control Tests are performed for each component included in HiScribe™ T7 ARCA mRNA Kit (with tailing) and meet the designated specifications.  | Pass           |

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

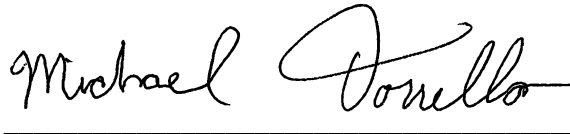
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19 Jul 2021



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20 Jul 2021