

New England Biolabs Certificate of Analysis

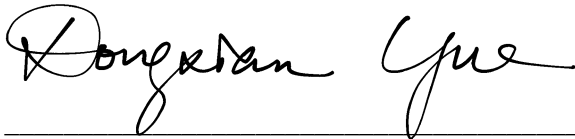
Product Name: *HiScribe™ T7 ARCA mRNA Kit (with Tailing)*
 Catalog Number: *E2060S*
 Packaging Lot Number: *10124182*
 Expiration Date: *03/2023*
 Storage Temperature: *-20°C*
 Specification Version: *PS-E2060S v1.0*

| 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 |

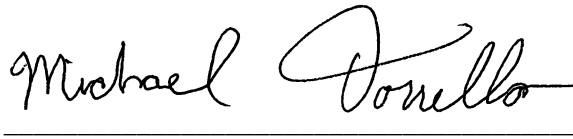
| Assay Name/Specification | Lot # 10124182 |
|---|----------------|
| <p>Functional Testing (RNA Synthesis, Yield) A 20 µl reaction in the presence of 1 X ARCA/NTP Mix containing 1 µg CLuc Control Template with 2 µl of the T7 RNA Polymerase Mix incubated for 30 minutes at 37°C results in a minimum of 15 µg of a 1.6 kb RNA as determined by OD 260 and agarose gel electrophoresis.</p> | Pass |
| <p>Functional Testing (RNA Tailing, Length) 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.</p> | Pass |
| <p>* Individual Product Component Note Standard Quality Control Tests are performed for each component included in HiScribe™ T7 ARCA mRNA Kit (with tailing) and meet the designated specifications.</p> | Pass |

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

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Production Scientist
21 Oct 2021



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25 Oct 2021