

New England Biolabs Certificate of Analysis

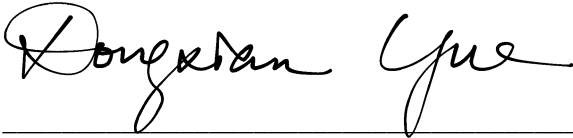
Product Name: *HiScribe® T7 ARCA mRNA Kit (with Tailing)*
Catalog Number: *E2060S*
Packaging Lot Number: *10273397*
Expiration Date: *05/2026*
Storage Temperature: *-20°C*
Specification Version: *PS-E2060S v3.0*

| HiScribe® T7 ARCA mRNA Kit (with Tailing) Component List | | | |
|--|------------------------------------|------------|----------------------|
| NEB Part Number | Component Description | Lot Number | Individual QC Result |
| N2053AVIAL | 2X ARCA/NTP Mix | 10241033 | Pass |
| N0247AVIAL | CLuc Control Template | 10200019 | Pass |
| M0444AVIAL | E. coli Poly(A) Polymerase | 10264921 | Pass |
| M0303AAVIAL | DNase I (RNase-free) | 10237449 | Pass |
| M0255AAVIAL | T7 RNA Polymerase Mix | 10269439 | Pass |
| B2051AVIAL | LiCl Solution | 10234277 | Pass |
| B1222AVIAL | 0.1M DTT | 10242838 | Pass |
| B0276SVIAL | Poly(A) Polymerase Reaction Buffer | 10269832 | Pass |

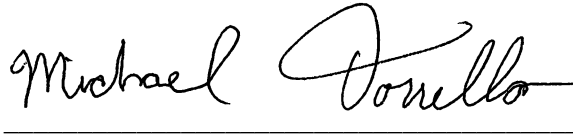
| Assay Name/Specification | Lot # 10273397 |
|---|----------------|
| <p>* Individual Product Component Note Standard Quality Control Tests are performed for each component included in HiScribe® T7 ARCA mRNA Kit (with tailing) and meet the designated specifications.</p> | Pass |
| <p>Functional Testing (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 1.76 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 1.76 kb RNA band as determined by agarose gel electrophoresis.</p> | 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.



Dongxian Yue
Production Scientist
09 Jul 2024



Michael Tonello
Packaging Quality Control Inspector
21 Jan 2025