

New England Biolabs Certificate of Analysis

Product Name: *HiScribe® T7 mRNA Kit with CleanCap® Reagent AG*
Catalog Number: *E2080S*
Packaging Lot Number: *10242419*
Expiration Date: *11/2025*
Storage Temperature: *-20°C*
Specification Version: *PS-E2080S v3.0*

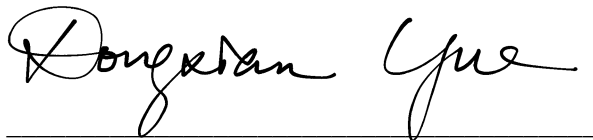
| HiScribe® T7 mRNA Kit with CleanCap® Reagent AG Component List | | | |
|--|---|------------|----------------------|
| NEB Part Number | Component Description | Lot Number | Individual QC Result |
| S1413AVIAL | CleanCap® Reagent AG | 10227047 | Pass |
| N2078AVIAL | CLuc AG Control Template | 10209042 | Pass |
| N0492AVIAL | UTP | 10227050 | Pass |
| N0491AVIAL | CTP | 10227049 | Pass |
| N0490AVIAL | GTP | 10227048 | Pass |
| N0489AVIAL | ATP | 10227046 | Pass |
| M0303AAVIAL | DNase I (RNase-free) | 10215524 | Pass |
| M0255AAVIAL | T7 RNA Polymerase Mix | 10228791 | Pass |
| B2082AVIAL | 10X T7 CleanCap® Reagent AG Reaction Buffer | 10236788 | Pass |
| B2051AVIAL | LiCl Solution | 10234277 | Pass |
| B1222AVIAL | 0.1M DTT | 10223625 | Pass |

| Assay Name/Specification | Lot # 10242419 |
|--|----------------|
| <p>* Individual Product Component Note Standard Quality Control Tests are performed for each component included in HiScribe® T7 mRNA Kit with CleanCap® Reagent AG and meet the designated specifications.</p> | Pass |
| <p>Functional Testing (RNA Synthesis, Yield) A 20 µl reaction in 1X T7 CleanCap® Reagent AG Reaction Buffer in the presence of 6 mM ATP, 5 mM GTP, 5 mM CTP, 5 mM UTP and 4 mM CleanCap® Reagent AG containing 1 µg</p> | Pass |

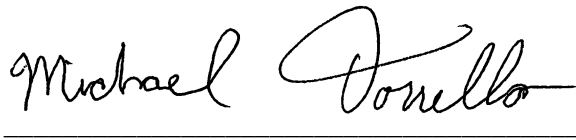
| Assay Name/Specification | Lot # 10242419 |
|---|----------------|
| CLuc AG Control Template with 2 µl of the T7 RNA Polymerase Mix incubated for 2 hours at 37°C results in a minimum of 90 µg of a 1.76 kb RNA as determined by OD 260 and agarose gel electrophoresis. | |

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
27 Oct 2023



Michael Tonello
Packaging Quality Control Inspector
13 May 2024