

## New England Biolabs Certificate of Analysis

Product Name: *HiScribe® T7 mRNA Kit with CleanCap® Reagent AG*  
 Catalog Number: *E2080S*  
 Packaging Lot Number: *10197127*  
 Expiration Date: *12/2024*  
 Storage Temperature: *-20°C*  
 Specification Version: *PS-E2080S v1.0*

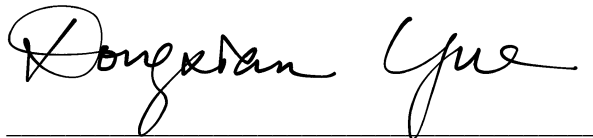
| HiScribe® T7 mRNA Kit with CleanCap® Reagent AG Component List |   |            |                      |
|--|---|------------|----------------------|
| NEB Part Number  | Component Description                       | Lot Number | Individual QC Result |
| S1413AVIAL   | CleanCap® Reagent AG                        | 10195277   | Pass                 |
| N2078AVIAL   | CLuc AG Control Template                    | 10172136   | Pass                 |
| N0492AVIAL   | UTP   | 10191527   | Pass                 |
| N0491AVIAL   | CTP   | 10191284   | Pass                 |
| N0490AVIAL   | GTP   | 10191526   | Pass                 |
| N0489AVIAL   | ATP   | 10191525   | Pass                 |
| M0303AAVIAL  | DNase I (RNase-free)                        | 10181026   | Pass                 |
| M0255AAVIAL  | T7 RNA Polymerase Mix                       | 10190508   | Pass                 |
| B2082AVIAL   | 10X T7 CleanCap® Reagent AG Reaction Buffer | 10191528   | Pass                 |
| B2051AVIAL   | LiCl Solution                               | 10182597   | Pass                 |

| Assay Name/Specification  | Lot # 10197127          |
|---|-------------------------|
| <p><b>* Individual Product Component Note</b><br/>           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> <p><b>Functional Testing (RNA Synthesis, Yield)</b><br/>           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 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</p> | <p>Pass</p> <p>Pass</p> |

| Assay Name/Specification         | Lot # 10197127 |
|----------------------------------|----------------|
| and agarose gel electrophoresis. |                |

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

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