

## New England Biolabs Certificate of Analysis

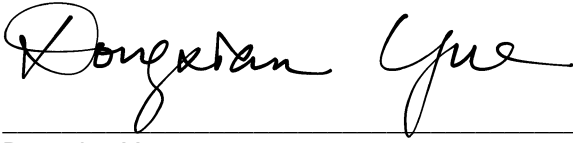
Product Name: *HiScribe™ T7 Quick High Yield RNA Synthesis Kit*  
 Catalog Number: *E2050S*  
 Packaging Lot Number: *10079440*  
 Expiration Date: *02/2022*  
 Storage Temperature: *-20°C*  
 Specification Version: *PS-E2050S v1.0*

| HiScribe™ T7 Quick High Yield RNA Synthesis Kit Component List |                       |            |                      |
|--|-----------------------|------------|----------------------|
| NEB Part Number  | Component Description | Lot Number | Individual QC Result |
| N2052AVIAL   | NTP Buffer Mix        | 10071580   | Pass                 |
| N0426AVIAL   | Fluc Control Template | 10078064   | Pass                 |
| M0303AVIAL   | DNase I (RNase-free)  | 10066807   | Pass                 |
| M0255AVIAL   | T7 RNA Polymerase Mix | 10070643   | Pass                 |
| B2051AVIAL   | LiCl Solution         | 10078748   | Pass                 |

| Assay Name/Specification   | Lot # 10079440 |
|--|----------------|
| <p><b>Functional Testing (RNA Synthesis, Yield)</b><br/>           A 20 µl reaction in the presence of 40 mM NTPs containing 1 µg FLuc Control Template with 2 µl of the T7 RNA Polymerase Mix incubated for 2 hours at 37°C results in a minimum of 150 µg of a 1.8 kb RNA as determined by OD 260 and agarose gel electrophoresis.</p> | Pass           |
| <p><b>* Individual Product Component Note</b><br/>           Standard Quality Control Tests are performed for each component included in HiScribe™ T7 Quick High Yield RNA Synthesis Kit 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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