

New England Biolabs Certificate of Analysis

Product Name: *HiScribe™ T7 High Yield RNA Synthesis Kit*
 Catalog Number: *E2040S*
 Packaging Lot Number: *10148493*
 Expiration Date: *08/2023*
 Storage Temperature: *-20°C*
 Specification Version: *PS-E2040S v1.0*

| HiScribe™ T7 High Yield RNA Synthesis Kit Component List | | | |
|--|------------------------|------------|----------------------|
| NEB Part Number | Component Description | Lot Number | Individual QC Result |
| N0454AVIAL | CTP Solution | 10137543 | Pass |
| N0453AVIAL | UTP Solution | 10137542 | Pass |
| N0452AVIAL | GTP Solution | 10137541 | Pass |
| N0451AVIAL | ATP Solution | 10137540 | Pass |
| N0426AVIAL | Fluc Control Template | 10145684 | Pass |
| M0255AVIAL | T7 RNA Polymerase Mix | 10139388 | Pass |
| B2041AVIAL | 10X T7 Reaction Buffer | 10137538 | Pass |

| Assay Name/Specification | Lot # 10148493 |
|---|----------------|
| <p>* Individual Product Component Note Standard Quality Control Tests are performed for each component included in HiScribe™ T7 High Yield RNA Synthesis Kit and meet the designated specifications.</p> | Pass |
| <p>Functional Testing (RNA Synthesis, Yield) A 20 µl reaction in 1X T7 Reaction Buffer 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 |

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.

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Dongxian Yue
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18 Apr 2022

Michael Tonello

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22 Apr 2022