

## New England Biolabs Certificate of Analysis

Product Name: NEBNext<sup>®</sup> RNA First Strand Synthesis Module  
 Catalog Number: E7525S  
 Packaging Lot Number: 10079907  
 Expiration Date: 08/2021  
 Storage Temperature: -20°C  
 Specification Version: PS-E7525S/L v1.0

| NEBNext <sup>®</sup> RNA First Strand Synthesis Module Component List |   |            |                      |
|---|---|------------|----------------------|
| NEB Part Number   | Component Description                                       | Lot Number | Individual QC Result |
| E7424AVIAL  | RNase Inhibitor, Murine                                     | 10063983   | Pass                 |
| E7423AVIAL  | ProtoScript <sup>®</sup> II Reverse Transcriptase           | 10063984   | Pass                 |
| E7422AVIAL  | Random Primers  | 10063982   | Pass                 |
| E7421AVIAL  | NEBNext <sup>®</sup> First Strand Synthesis Reaction Buffer | 10063981   | Pass                 |

| Assay Name/Specification   | Lot # 10079907 |
|--|----------------|
| <p><b>* Individual Product Component Note</b><br/>           Standard Quality Control Tests are performed for each component included in NEBNext<sup>®</sup> RNA First Strand Synthesis Module and meet the designated specifications.</p>   | Pass           |
| <p><b>Functional Testing (Library Construction, RNA)</b><br/>           Each set of reagents is functionally validated and compared to the previous lot through construction of libraries made from commercially available RNA, using the kit's minimum and maximum input requirements. Libraries made from the previous and current lots for both input RNA amounts are sequenced together on the same Illumina flow cell and compared across various metrics including library yield, individual transcript abundance correlations (low vs. high input, old lot vs. new lot), 5'-3' transcript coverage, and fraction of reads mapping to a reference.</p> | Pass           |

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

*Christine Sumner*

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Christine Sumner  
Production Scientist  
16 Jul 2020

*Michael Tonello*

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Michael Tonello  
Packaging Quality Control Inspector  
16 Jul 2020