

## New England Biolabs Certificate of Analysis

Product Name: NEBNext® Ultra™ II Directional RNA Second Strand Synthesis Module  
 Catalog Number: E7550S  
 Packaging Lot Number: 10183758  
 Expiration Date: 10/2024  
 Storage Temperature: -20°C  
 Specification Version: PS-E7550S/L v1.0

| NEBNext® Ultra™ II Directional RNA Second Strand Synthesis Module Component List |   |            |                      |
|--|---|------------|----------------------|
| NEB Part Number  | Component Description                                       | Lot Number | Individual QC Result |
| E7426AVIAL   | NEBNext® Second Strand Synthesis Reaction Buffer (dUTP Mix) | 10183760   | Pass                 |
| E7425AVIAL   | NEBNext® Second Strand Synthesis Enzyme Mix                 | 10183759   | Pass                 |

| Assay Name/Specification  | Lot # 10183758          |
|---|-------------------------|
| <p><b>* Individual Product Component Note</b><br/>           Standard Quality Control Tests are performed for each component included in NEBNext® Ultra™ II Directional RNA Second Strand Synthesis Module and meet the designated specifications.</p> <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> | <p>Pass</p> <p>Pass</p> |

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](http://www.neb.com/trademarks) for additional information.

*Melissa Cormier*

Melissa Cormier  
Production Scientist  
26 May 2023

*Josh Hersey*

Josh Hersey  
Packaging Quality Control Inspector  
26 May 2023