

## New England Biolabs Certificate of Analysis

**Product Name:** NEBNext® Ultra™ II RNA First Strand Synthesis Module  
**Catalog Number:** E7771L  
**Packaging Lot Number:** 10227648  
**Expiration Date:** 05/2025  
**Storage Temperature:** -20°C  
**Specification Version:** PS-E7771S/L v1.0

| NEBNext® Ultra™ II RNA First Strand Synthesis Module Component List |   |            |                      |
|---|---|------------|----------------------|
| NEB Part Number   | Component Description                           | Lot Number | Individual QC Result |
| E7766AAVIAL   | NEBNext® Strand Specificity Reagent             | 10227657   | Pass                 |
| E7761AAVIAL   | NEBNext® First Strand Synthesis Enzyme Mix      | 10227655   | Pass                 |
| E7422AAVIAL   | Random Primers                                  | 10227653   | Pass                 |
| E7421AAVIAL   | NEBNext® First Strand Synthesis Reaction Buffer | 10227651   | Pass                 |

| Assay Name/Specification  | Lot # 10227648 |
|---|----------------|
| <p><b>* Individual Product Component Note</b><br/>Standard Quality Control Tests are performed for each component included in NEBNext® Ultra™ II RNA First Strand Synthesis Module and meet the designated specifications.</p>  | <b>Pass</b>    |
| <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> | <b>Pass</b>    |

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.

*Christine Sumner*

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Christine Sumner  
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25 Apr 2024

*Michael Tonello*

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25 Apr 2024