New England BioLabs Inc.

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# New England Biolabs
# Certificate of Analysis

| | |
|---|---|
| *Product Name:* | NEBNext® Ultra™ II RNA First Strand Synthesis Module |
| *Catalog Number:* | E7771L |
| *Packaging Lot Number:* | 10100158 |
| *Expiration Date:* | 06/2022 |
| *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 | 10089921 | **Pass** |
| E7761AAVIAL | NEBNext® First Strand Synthesis Enzyme Mix | 10089920 | **Pass** |
| E7422AAVIAL | Random Primers | 10089919 | **Pass** |
| E7421AAVIAL | NEBNext® First Strand Synthesis Reaction Buffer | 10089918 | **Pass** |

| Assay Name/Specification | Lot # 10100158 |
|---|---|
| **Functional Testing (Library Construction, RNA)** 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. | **Pass** |
| **\* Individual Product Component Note** Standard Quality Control Tests are performed for each component included in NEBNext® Ultra™ II RNA First Strand Synthesis Module and meet the designated specifications. | **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.

nqa. ISO 9001 Registered Quality Management
nqa. ISO 13485 Registered Medical Devices
nqa. ISO 14001 Registered Environmental Management

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Christine Sumner
Production Scientist
10 Feb 2021

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Josh Hersey
Packaging Quality Control Inspector
10 Feb 2021