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: *10177633*
Expiration Date: *04/2024*
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	10165879	**Pass**
E7761AAVIAL	NEBNext® First Strand Synthesis Enzyme Mix	10165878	**Pass**
E7422AAVIAL	Random Primers	10165877	**Pass**
E7421AAVIAL	NEBNext® First Strand Synthesis Reaction Buffer	10165876	**Pass**

Assay Name/Specification	Lot # 10177633
*** 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**
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**

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

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11 Jan 2023

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