

New England Biolabs Certificate of Analysis

Product Name: NEBNext® Ultra™ II RNA Library Prep Kit for Illumina®
 Catalog Number: E7770L
 Packaging Lot Number: 10176831
 Expiration Date: 04/2024
 Storage Temperature: -20°C
 Specification Version: PS-E7770S/L v2.0

NEBNext® Ultra™ II RNA Library Prep Kit for Illumina® Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E7764AAVIAL	Nuclease-free Water	10165853	Pass
E7763AAVIAL	0.1X TE	10165861	Pass
E7762AAVIAL	NEBNext® Adaptor Dilution Buffer	10165860	Pass
E7761AAVIAL	NEBNext® First Strand Synthesis Enzyme Mix	10165859	Pass
E7649AAVIAL	NEBNext® Ultra™ II Q5® Master Mix	10165857	Pass
E7648AAVIAL	NEBNext® Ultra™ II Ligation Master Mix	10165856	Pass
E7647AAVIAL	NEBNext® Ultra™ II End Prep Reaction Buffer	10165855	Pass
E7646AAVIAL	NEBNext® Ultra™ II End Prep Enzyme Mix	10165854	Pass
E7427AAVIAL	NEBNext® Second Strand Synthesis Reaction Buffer, 10X	10165852	Pass
E7425AAVIAL	NEBNext® Second Strand Synthesis Enzyme Mix	10165851	Pass
E7422AAVIAL	Random Primers	10165850	Pass
E7421AAVIAL	NEBNext® First Strand Synthesis Reaction Buffer	10165849	Pass
E7374AAVIAL	NEBNext® Ligation Enhancer	10165848	Pass

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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®	Pass

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Ultra™ II RNA Library Prep Kit for Illumina® and meet the designated specifications.	

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.



Christine Sumner
Production Scientist
11 Jan 2023



Michael Tonello
Packaging Quality Control Inspector
11 Jan 2023