

New England Biolabs Certificate of Analysis

Product Name: NEBNext® Ultra™ II RNA Library Prep Kit for Illumina®
Catalog Number: E7770G
Packaging Lot Number: 10165831
Expiration Date: 04/2024
Storage Temperature: -20°C
Specification Version: PS-E7770G v2.0

NEBNext® Ultra™ II RNA Library Prep Kit for Illumina® Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E7764GVIAL	Nuclease-free Water	10165839	Pass
E7763GVIAL	(0.1X) TE Buffer	10165847	Pass
E7762GVIAL	NEBNext Adaptor Dilution Buffer	10165845	Pass
E7761GVIAL	NEBNext First Strand Synthesis Enzyme Mi	10165844	Pass
E7649GVIAL	NEBNext® Ultra™ II Q5® Master Mix	10165843	Pass
E7648GVIAL	NEBNext® Ultra™ II Ligation Master Mix	10165842	Pass
E7647GVIAL	NEBNext® Ultra™ II End Prep Reaction Buffer	10165841	Pass
E7646GVIAL	NEBNext® Ultra™ II End Prep Enzyme Mix	10165840	Pass
E7427GVIAL	NEBNext® Second Strand Synthesis Reaction Buffer, 10X	10165838	Pass
E7425GVIAL	NEBNext® Second Strand Synthesis Enzyme Mix	10165837	Pass
E7422GVIAL	Random Primers	10165836	Pass
E7421GVIAL	NEBNext® First Strand Synthesis Reaction Buffer	10165835	Pass
E7374GVIAL	NEBNext® Ligation Enhancer	10165834	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
29 Nov 2022



Michael Tonello
Packaging Quality Control Inspector
22 Feb 2023