

## New England Biolabs Certificate of Analysis

Product Name: NEBNext® Ultra™ II RNA Library Prep Kit for Illumina®  
 Catalog Number: E7770G  
 Packaging Lot Number: 10167345  
 Expiration Date: 05/2023  
 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	10123335	Pass
E7763GVIAL	(0.1X) TE Buffer	10123342	Pass
E7762GVIAL	NEBNext Adaptor Dilution Buffer	10123341	Pass
E7761GVIAL	NEBNext First Strand Synthesis Enzyme Mi	10123340	Pass
E7649GVIAL	NEBNext® Ultra™ II Q5® Master Mix	10123339	Pass
E7648GVIAL	NEBNext® Ultra™ II Ligation Master Mix	10123338	Pass
E7647GVIAL	NEBNext® Ultra™ II End Prep Reaction Buffer	10123337	Pass
E7646GVIAL	NEBNext® Ultra™ II End Prep Enzyme Mix	10123336	Pass
E7427GVIAL	NEBNext® Second Strand Synthesis Reaction Buffer, 10X	10123334	Pass
E7425GVIAL	NEBNext® Second Strand Synthesis Enzyme Mix	10123332	Pass
E7422GVIAL	Random Primers	10123331	Pass
E7421GVIAL	NEBNext® First Strand Synthesis Reaction Buffer	10123330	Pass
E7374GVIAL	NEBNext® Ligation Enhancer	10123329	Pass

Assay Name/Specification	Lot # 10167345
<b>Functional Testing (Library Construction, RNA)</b> 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
<b>* Individual Product Component Note</b> 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](http://www.neb.com/trademarks) for additional information.



Christine Sumner  
Production Scientist  
13 Oct 2022



Josh Hersey  
Packaging Quality Control Inspector  
13 Oct 2022