

## New England Biolabs Certificate of Analysis

Product Name: NEBNext® Ultra™ II RNA Library Prep Kit for Illumina®  
 Catalog Number: E7770S  
 Lot Number: 10052037  
 Expiration Date: 09/2020  
 Storage Temperature: -20°C  
 Specification Version: PS-E7770S/L v1.0

NEBNext® Ultra™ II RNA Library Prep Kit for Illumina® Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E7764AVIAL	Nuclease Free Water	10039827	Pass
E7763AVIAL	0.1X TE	10039834	Pass
E7762AVIAL	NEBNext® Adaptor Dilution Buffer	10039833	Pass
E7761AVIAL	NEBNext® First Strand Synthesis Enzyme Mix	10039832	Pass
E7649AVIAL	NEBNext® Ultra™ II Q5® Master Mix	10039831	Pass
E7648AVIAL	NEBNext® Ultra™ II Ligation Master Mix	10039830	Pass
E7647AVIAL	NEBNext® Ultra™ II End Prep Reaction Buffer	10039829	Pass
E7646AVIAL	NEBNext® Ultra™ II End Prep Enzyme Mix	10039828	Pass
E7427AVIAL	NEBNext® Second Strand Synthesis Reaction Buffer, 10X	10039826	Pass
E7425AVIAL	NEBNext® Second Strand Synthesis Enzyme Mix	10039825	Pass
E7422AVIAL	Random Primers	10039824	Pass
E7421AVIAL	NEBNext® First Strand Synthesis Reaction Buffer	10039823	Pass
E7374AVIAL	NEBNext® Ligation Enhancer	10039822	Pass

Assay Name/Specification	Lot # 10052037
<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.	<b>Pass</b>
<b>* Individual Product Component Note</b> Standard Quality Control Tests are performed for each component included in NEBNext®	<b>Pass</b>

Assay Name/Specification	Lot # 10052037
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.



Christine Sumner  
Production Scientist  
12 Aug 2019



Michael Tonello  
Packaging Quality Control Inspector  
12 Aug 2019