

## New England Biolabs Certificate of Analysis

Product Name: NEBNext® Ultra™ II Directional RNA Library Prep Kit for Illumina®  
 Catalog Number: E7760L  
 Packaging Lot Number: 10070217  
 Expiration Date: 07/2021  
 Storage Temperature: -20°C  
 Specification Version: PS-E7760S/L v1.0

NEBNext® Ultra™ II Directional RNA Library Prep Kit for Illumina® Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E7766AAVIAL	NEBNext® Strand Specificity Reagent	10061642	Pass
E7764AAVIAL	Nuclease-free Water	10061641	Pass
E7763AAVIAL	0.1X TE	10061640	Pass
E7762AAVIAL	NEBNext® Adaptor Dilution Buffer	10061639	Pass
E7761AAVIAL	NEBNext® First Strand Synthesis Enzyme Mix	10061637	Pass
E7649AAVIAL	NEBNext® Ultra™ II Q5® Master Mix	10061636	Pass
E7648AAVIAL	NEBNext® Ultra™ II Ligation Master Mix	10061635	Pass
E7647AAVIAL	NEBNext® Ultra™ II End Prep Reaction Buffer	10061634	Pass
E7646AAVIAL	NEBNext® Ultra™ II End Prep Enzyme Mix	10061633	Pass
E7428AAVIAL	NEBNext® USER® Enzyme	10061632	Pass
E7426AAVIAL	NEBNext® Second Strand Synthesis Reaction Buffer (dUTP Mix)	10061631	Pass
E7425AAVIAL	NEBNext® Second Strand Synthesis Enzyme Mix	10061630	Pass
E7422AAVIAL	Random Primers	10061629	Pass
E7421AAVIAL	NEBNext® First Strand Synthesis Reaction Buffer	10061628	Pass
E7374AAVIAL	NEBNext® Ligation Enhancer	10061627	Pass

Assay Name/Specification	Lot # 10070217
<p><b>Functional Testing (Library Construction, RNA)</b></p> <p>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.</p>	Pass

Assay Name/Specification	Lot # 10070217
<b>* Individual Product Component Note</b> Standard Quality Control Tests are performed for each component included in NEBNext <sup>®</sup> Ultra <sup>™</sup> II Directional RNA Library Prep Kit for Illumina <sup>®</sup> and meet the designated specifications.	<b>Pass</b>

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



Christine Sumner  
Production Scientist  
12 Mar 2020



Michael Tonello  
Packaging Quality Control Inspector  
12 Mar 2020