

## New England Biolabs Certificate of Analysis

Product Name: NEBNext® Ultra™ II Directional RNA Library Prep Kit for Illumina®  
 Catalog Number: E7760S  
 Lot Number: 10031307  
 Expiration Date: 05/2020  
 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
E7766AVIAL	NEBNext® Strand Specificity Reagent	10026902	Pass
E7764AVIAL	Nuclease Free Water	10026901	Pass
E7763AVIAL	0.1X TE	10026900	Pass
E7762AVIAL	NEBNext® Adaptor Dilution Buffer	10026899	Pass
E7761AVIAL	NEBNext® First Strand Synthesis Enzyme Mix	10026898	Pass
E7649AVIAL	NEBNext® Ultra™ II Q5® Master Mix	10026897	Pass
E7648AVIAL	NEBNext® Ultra™ II Ligation Master Mix	10026896	Pass
E7647AVIAL	NEBNext® Ultra™ II End Prep Reaction Buffer	10026895	Pass
E7646AVIAL	NEBNext® Ultra™ II End Prep Enzyme Mix	10026894	Pass
E7428AVIAL	NEBNext® USER® Enzyme	10026893	Pass
E7426AVIAL	NEBNext® Second Strand Synthesis Reaction Buffer (dUTP Mix)	10026892	Pass
E7425AVIAL	NEBNext® Second Strand Synthesis Enzyme Mix	10026891	Pass
E7422AVIAL	Random Primers	10026890	Pass
E7421AVIAL	NEBNext® First Strand Synthesis Reaction Buffer	10026889	Pass
E7374AVIAL	NEBNext® Ligation Enhancer	10026888	Pass

Assay Name/Specification	Lot # 10031307
<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 # 10031307
<p><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.</p>	<p><b>Pass</b></p>

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




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Christine Sumner  
Production Scientist  
05 Dec 2018




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Michael Tonello  
Packaging Quality Control Inspector  
05 Dec 2018