

## New England Biolabs Certificate of Analysis

Product Name: NEBNext<sup>®</sup> Ultra<sup>™</sup> II Directional RNA Library Prep Kit for Illumina<sup>®</sup>  
 Catalog Number: E7760G  
 Packaging Lot Number: 10165125  
 Expiration Date: 05/2023  
 Storage Temperature: -20°C  
 Specification Version: PS-E7760G v1.0

NEBNext <sup>®</sup> Ultra <sup>™</sup> II Directional RNA Library Prep Kit for Illumina <sup>®</sup> Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E7766GVIAL	NEBNext <sup>®</sup> Strand Specificity Reagent	10123296	Pass
E7764GVIAL	Nuclease-free Water	10123295	Pass
E7763GVIAL	(0.1X) TE Buffer	10123293	Pass
E7762GVIAL	NEBNext Adaptor Dilution Buffer	10123292	Pass
E7761GVIAL	NEBNext First Strand Synthesis Enzyme Mi	10123291	Pass
E7649GVIAL	NEBNext <sup>®</sup> Ultra <sup>™</sup> II Q5 <sup>®</sup> Master Mix	10123290	Pass
E7648GVIAL	NEBNext <sup>®</sup> Ultra <sup>™</sup> II Ligation Master Mix	10123289	Pass
E7647GVIAL	NEBNext <sup>®</sup> Ultra <sup>™</sup> II End Prep Reaction Buffer	10123288	Pass
E7646GVIAL	NEBNext <sup>®</sup> Ultra <sup>™</sup> II End Prep Enzyme Mix	10123287	Pass
E7428GVIAL	NEBNext <sup>®</sup> USER <sup>®</sup> Enzyme	10123286	Pass
E7426GVIAL	NEBNext <sup>®</sup> Second Strand Synthesis Reaction Buffer (dUTP Mix)	10123285	Pass
E7425GVIAL	NEBNext <sup>®</sup> Second Strand Synthesis Enzyme Mix	10123284	Pass
E7422GVIAL	Random Primers	10123283	Pass
E7421GVIAL	NEBNext <sup>®</sup> First Strand Synthesis Reaction Buffer	10123282	Pass
E7374GVIAL	NEBNext <sup>®</sup> Ligation Enhancer	10123281	Pass

Assay Name/Specification	Lot # 10165125
<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 # 10165125
<p><b>* Individual Product Component Note</b> Standard Quality Control Tests are performed for each component included in NEBNext® Ultra™ II Directional RNA Library Prep Kit for Illumina® 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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21 Sep 2022




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Packaging Quality Control Inspector  
21 Sep 2022