

## New England Biolabs Certificate of Analysis

Product Name: NEBNext® Ultra™ II Directional RNA Library Prep Kit for Illumina®  
 Catalog Number: E7760L  
 Packaging Lot Number: 10214181  
 Expiration Date: 03/2025  
 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	10204178	Pass
E7764AAVIAL	Nuclease-free Water	10204176	Pass
E7763AAVIAL	0.1X TE	10204173	Pass
E7762AAVIAL	NEBNext® Adaptor Dilution Buffer	10204171	Pass
E7761AAVIAL	NEBNext® First Strand Synthesis Enzyme Mix	10204168	Pass
E7649AAVIAL	NEBNext® Ultra™ II Q5® Master Mix	10204167	Pass
E7648AAVIAL	NEBNext® Ultra™ II Ligation Master Mix	10204166	Pass
E7647AAVIAL	NEBNext® Ultra™ II End Prep Reaction Buffer	10204163	Pass
E7646AAVIAL	NEBNext® Ultra™ II End Prep Enzyme Mix	10204161	Pass
E7428AAVIAL	NEBNext® USER® Enzyme	10204159	Pass
E7426AAVIAL	NEBNext® Second Strand Synthesis Reaction Buffer (dUTP Mix)	10204157	Pass
E7425AAVIAL	NEBNext® Second Strand Synthesis Enzyme Mix	10204155	Pass
E7422AAVIAL	Random Primers	10204153	Pass
E7421AAVIAL	NEBNext® First Strand Synthesis Reaction Buffer	10204151	Pass
E7374AAVIAL	NEBNext® Ligation Enhancer	10204149	Pass

Assay Name/Specification	Lot # 10214181
<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>	Pass
<p><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</p>	Pass

Assay Name/Specification	Lot # 10214181
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.	

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.




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Christine Sumner  
Production Scientist  
20 Oct 2023




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Michael Tonello  
Packaging Quality Control Inspector  
20 Oct 2023