

## New England Biolabs Certificate of Analysis

**Product Name:** NEBNext® Ultra™ II Directional RNA Library Prep Kit for Illumina®  
**Catalog Number:** E7760L  
**Packaging Lot Number:** 10246570  
**Expiration Date:** 01/2026  
**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	10246609	Pass
E7764AAVIAL	Nuclease-free Water	10246606	Pass
E7763AAVIAL	0.1X TE	10246603	Pass
E7762AAVIAL	NEBNext® Adaptor Dilution Buffer	10246601	Pass
E7761AAVIAL	NEBNext® First Strand Synthesis Enzyme Mix	10246598	Pass
E7649AAVIAL	NEBNext® Ultra™ II Q5® Master Mix	10246595	Pass
E7648AAVIAL	NEBNext® Ultra™ II Ligation Master Mix	10246592	Pass
E7647AAVIAL	NEBNext® Ultra™ II End Prep Reaction Buffer	10246589	Pass
E7646AAVIAL	NEBNext® Ultra™ II End Prep Enzyme Mix	10246586	Pass
E7428AAVIAL	NEBNext® USER® Enzyme	10246584	Pass
E7426AAVIAL	NEBNext® Second Strand Synthesis Reaction Buffer (dUTP Mix)	10246581	Pass
E7425AAVIAL	NEBNext® Second Strand Synthesis Enzyme Mix	10246579	Pass
E7422AAVIAL	Random Primers	10246577	Pass
E7421AAVIAL	NEBNext® First Strand Synthesis Reaction Buffer	10246575	Pass
E7374AAVIAL	NEBNext® Ligation Enhancer	10246573	Pass

Assay Name/Specification	Lot # 10246570
<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.	Pass
<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	Pass

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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  
14 Aug 2024




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Josh Hersey  
Packaging Quality Control Inspector  
14 Jan 2025