

## New England Biolabs Certificate of Analysis

**Product Name:** NEBNext® Ultra™ II Directional RNA Library Prep Kit for Illumina®  
**Catalog Number:** E7760L  
**Packaging Lot Number:** 10265745  
**Expiration Date:** 07/2026  
**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	10265780	Pass
E7764AAVIAL	Nuclease-free Water	10265778	Pass
E7763AAVIAL	0.1X TE	10265776	Pass
E7762AAVIAL	NEBNext® Adaptor Dilution Buffer	10265774	Pass
E7761AAVIAL	NEBNext® First Strand Synthesis Enzyme Mix	10265772	Pass
E7649AAVIAL	NEBNext® Ultra™ II Q5® Master Mix	10265770	Pass
E7648AAVIAL	NEBNext® Ultra™ II Ligation Master Mix	10265768	Pass
E7647AAVIAL	NEBNext® Ultra™ II End Prep Reaction Buffer	10265765	Pass
E7646AAVIAL	NEBNext® Ultra™ II End Prep Enzyme Mix	10265762	Pass
E7428AAVIAL	NEBNext® USER® Enzyme	10265760	Pass
E7426AAVIAL	NEBNext® Second Strand Synthesis Reaction Buffer (dUTP Mix)	10265758	Pass
E7425AAVIAL	NEBNext® Second Strand Synthesis Enzyme Mix	10265755	Pass
E7422AAVIAL	Random Primers	10265752	Pass
E7421AAVIAL	NEBNext® First Strand Synthesis Reaction Buffer	10265750	Pass
E7374AAVIAL	NEBNext® Ligation Enhancer	10265747	Pass

Assay Name/Specification	Lot # 10265745
<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  
10 Feb 2025



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Josh Hersey  
Packaging Quality Control Inspector  
26 Jun 2025