

## New England Biolabs Certificate of Analysis

**Product Name:** NEBNext® Ultra™ II RNA Library Prep Kit for Illumina®  
**Catalog Number:** E7770L  
**Packaging Lot Number:** 10246612  
**Expiration Date:** 01/2026  
**Storage Temperature:** -20°C  
**Specification Version:** PS-E7770S/L v2.0

NEBNext® Ultra™ II RNA Library Prep Kit for Illumina® Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E7764AAVIAL	Nuclease-free Water	10246631	Pass
E7763AAVIAL	0.1X TE	10246642	Pass
E7762AAVIAL	NEBNext® Adaptor Dilution Buffer	10246640	Pass
E7761AAVIAL	NEBNext® First Strand Synthesis Enzyme Mix	10246639	Pass
E7649AAVIAL	NEBNext® Ultra™ II Q5® Master Mix	10246638	Pass
E7648AAVIAL	NEBNext® Ultra™ II Ligation Master Mix	10246637	Pass
E7647AAVIAL	NEBNext® Ultra™ II End Prep Reaction Buffer	10246635	Pass
E7646AAVIAL	NEBNext® Ultra™ II End Prep Enzyme Mix	10246633	Pass
E7427AAVIAL	NEBNext® Second Strand Synthesis Reaction Buffer, 10X	10246629	Pass
E7425AAVIAL	NEBNext® Second Strand Synthesis Enzyme Mix	10246626	Pass
E7422AAVIAL	Random Primers	10246623	Pass
E7421AAVIAL	NEBNext® First Strand Synthesis Reaction Buffer	10246620	Pass
E7374AAVIAL	NEBNext® Ligation Enhancer	10246617	Pass

Assay Name/Specification	Lot # 10246612
<p><b>* Individual Product Component Note</b> Standard Quality Control Tests are performed for each component included in NEBNext® Ultra™ II RNA Library Prep Kit for Illumina® and meet the designated specifications.</p>	<b>Pass</b>
<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 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'</p>	<b>Pass</b>

Assay Name/Specification	Lot # 10246612
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  
13 Aug 2024



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Michael Tonello  
Packaging Quality Control Inspector  
17 Dec 2024