

## New England Biolabs Certificate of Analysis

**Product Name:** NEBNext® Ultra™ II Directional RNA Library Prep Kit for Illumina®  
**Catalog Number:** E7760S  
**Packaging Lot Number:** 10198344  
**Expiration Date:** 10/2024  
**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
E7766AVIAL	NEBNext® Strand Specificity Reagent	10183810	Pass
E7764AVIAL	Nuclease-free Water	10183809	Pass
E7763AVIAL	0.1X TE	10183808	Pass
E7762AVIAL	NEBNext® Adaptor Dilution Buffer	10183807	Pass
E7761AVIAL	NEBNext® First Strand Synthesis Enzyme Mix	10183806	Pass
E7649AVIAL	NEBNext® Ultra™ II Q5® Master Mix	10183804	Pass
E7648AVIAL	NEBNext® Ultra™ II Ligation Master Mix	10183803	Pass
E7647AVIAL	NEBNext® Ultra™ II End Prep Reaction Buffer	10183802	Pass
E7646AVIAL	NEBNext® Ultra™ II End Prep Enzyme Mix	10183801	Pass
E7428AVIAL	NEBNext® USER® Enzyme	10183800	Pass
E7426AVIAL	NEBNext® Second Strand Synthesis Reaction Buffer (dUTP Mix)	10183799	Pass
E7425AVIAL	NEBNext® Second Strand Synthesis Enzyme Mix	10183798	Pass
E7422AVIAL	Random Primers	10183796	Pass
E7421AVIAL	NEBNext® First Strand Synthesis Reaction Buffer	10183794	Pass
E7374AVIAL	NEBNext® Ligation Enhancer	10183792	Pass

Assay Name/Specification	Lot # 10198344
<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 # 10198344
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.




---

Christine Sumner  
Production Scientist  
10 Jul 2023




---

Josh Hersey  
Packaging Quality Control Inspector  
10 Jul 2023