

New England Biolabs Certificate of Analysis

Product Name: NEBNext® Ultra™ II Directional RNA Library Prep Kit for Illumina®
 Catalog Number: E7760L
 Packaging Lot Number: 10165801
 Expiration Date: 04/2024
 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
E7766AAVIAL	NEBNext® Strand Specificity Reagent	10165817	Pass
E7764AAVIAL	Nuclease-free Water	10165816	Pass
E7763AAVIAL	0.1X TE	10165815	Pass
E7762AAVIAL	NEBNext® Adaptor Dilution Buffer	10165814	Pass
E7761AAVIAL	NEBNext® First Strand Synthesis Enzyme Mix	10165813	Pass
E7649AAVIAL	NEBNext® Ultra™ II Q5® Master Mix	10165811	Pass
E7648AAVIAL	NEBNext® Ultra™ II Ligation Master Mix	10165810	Pass
E7647AAVIAL	NEBNext® Ultra™ II End Prep Reaction Buffer	10165809	Pass
E7646AAVIAL	NEBNext® Ultra™ II End Prep Enzyme Mix	10165808	Pass
E7428AAVIAL	NEBNext® USER® Enzyme	10165807	Pass
E7426AAVIAL	NEBNext® Second Strand Synthesis Reaction Buffer (dUTP Mix)	10165806	Pass
E7425AAVIAL	NEBNext® Second Strand Synthesis Enzyme Mix	10165805	Pass
E7422AAVIAL	Random Primers	10165804	Pass
E7421AAVIAL	NEBNext® First Strand Synthesis Reaction Buffer	10165803	Pass
E7374AAVIAL	NEBNext® Ligation Enhancer	10165802	Pass

Assay Name/Specification	Lot # 10165801
<p>* Individual Product Component Note 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> <p>Functional Testing (Library Construction, RNA) 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>	<p>Pass</p> <p>Pass</p>

Assay Name/Specification	Lot # 10165801
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 for additional information.



Christine Sumner
Production Scientist
29 Nov 2022



Michael Tonello
Packaging Quality Control Inspector
05 Apr 2023