

New England Biolabs Certificate of Analysis

Product Name: NEBNext® Ultra™ II Directional RNA Library Prep Kit for Illumina®
 Catalog Number: E7760L
 Packaging Lot Number: 10123294
 Expiration Date: 05/2023
 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	10123311	Pass
E7764AAVIAL	Nuclease-free Water	10123310	Pass
E7763AAVIAL	0.1X TE	10123309	Pass
E7762AAVIAL	NEBNext® Adaptor Dilution Buffer	10123308	Pass
E7761AAVIAL	NEBNext® First Strand Synthesis Enzyme Mix	10123307	Pass
E7649AAVIAL	NEBNext® Ultra™ II Q5® Master Mix	10123306	Pass
E7648AAVIAL	NEBNext® Ultra™ II Ligation Master Mix	10123305	Pass
E7647AAVIAL	NEBNext® Ultra™ II End Prep Reaction Buffer	10123304	Pass
E7646AAVIAL	NEBNext® Ultra™ II End Prep Enzyme Mix	10123303	Pass
E7428AAVIAL	NEBNext® USER® Enzyme	10123302	Pass
E7426AAVIAL	NEBNext® Second Strand Synthesis Reaction Buffer (dUTP Mix)	10123301	Pass
E7425AAVIAL	NEBNext® Second Strand Synthesis Enzyme Mix	10123300	Pass
E7422AAVIAL	Random Primers	10123299	Pass
E7421AAVIAL	NEBNext® First Strand Synthesis Reaction Buffer	10123298	Pass
E7374AAVIAL	NEBNext® Ligation Enhancer	10123297	Pass

Assay Name/Specification	Lot # 10123294
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 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.	Pass

Assay Name/Specification	Lot # 10123294
<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>Pass</p>

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
07 Dec 2021



Michael Tonello
Packaging Quality Control Inspector
05 Apr 2022