

New England Biolabs Certificate of Analysis

Product Name: NEBNext[®] Ultra[™] II Directional RNA Library Prep Kit for Illumina[®]
 Catalog Number: E7760L
 Packaging Lot Number: 10146446
 Expiration Date: 07/2023
 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	10146462	Pass
E7764AAVIAL	Nuclease-free Water	10146461	Pass
E7763AAVIAL	0.1X TE	10146460	Pass
E7762AAVIAL	NEBNext [®] Adaptor Dilution Buffer	10146459	Pass
E7761AAVIAL	NEBNext [®] First Strand Synthesis Enzyme Mix	10146457	Pass
E7649AAVIAL	NEBNext [®] Ultra [™] II Q5 [®] Master Mix	10146456	Pass
E7648AAVIAL	NEBNext [®] Ultra [™] II Ligation Master Mix	10146455	Pass
E7647AAVIAL	NEBNext [®] Ultra [™] II End Prep Reaction Buffer	10146454	Pass
E7646AAVIAL	NEBNext [®] Ultra [™] II End Prep Enzyme Mix	10146453	Pass
E7428AAVIAL	NEBNext [®] USER [®] Enzyme	10146452	Pass
E7426AAVIAL	NEBNext [®] Second Strand Synthesis Reaction Buffer (dUTP Mix)	10146451	Pass
E7425AAVIAL	NEBNext [®] Second Strand Synthesis Enzyme Mix	10146450	Pass
E7422AAVIAL	Random Primers	10146449	Pass
E7421AAVIAL	NEBNext [®] First Strand Synthesis Reaction Buffer	10146448	Pass
E7374AAVIAL	NEBNext [®] Ligation Enhancer	10146447	Pass

Assay Name/Specification	Lot # 10146446
<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 # 10146446
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
02 Jun 2022



Michael Tonello
Packaging Quality Control Inspector
09 Nov 2022