

New England Biolabs Certificate of Analysis

Product Name: NEBNext® Ultra™ II Directional RNA Library Prep Kit for Illumina®
 Catalog Number: E7760G
 Packaging Lot Number: 10197336
 Expiration Date: 10/2024
 Storage Temperature: -20°C
 Specification Version: PS-E7760G v1.0

NEBNext® Ultra™ II Directional RNA Library Prep Kit for Illumina® Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E7766GVIAL	NEBNext® Strand Specificity Reagent	10183781	Pass
E7764GVIAL	Nuclease-free Water	10183779	Pass
E7763GVIAL	(0.1X) TE Buffer	10183777	Pass
E7762GVIAL	NEBNext Adaptor Dilution Buffer	10183776	Pass
E7761GVIAL	NEBNext First Strand Synthesis Enzyme Mi	10183774	Pass
E7649GVIAL	NEBNext® Ultra™ II Q5® Master Mix	10183773	Pass
E7648GVIAL	NEBNext® Ultra™ II Ligation Master Mix	10183772	Pass
E7647GVIAL	NEBNext® Ultra™ II End Prep Reaction Buffer	10183771	Pass
E7646GVIAL	NEBNext® Ultra™ II End Prep Enzyme Mix	10183769	Pass
E7428GVIAL	NEBNext® USER® Enzyme	10183768	Pass
E7426GVIAL	NEBNext® Second Strand Synthesis Reaction Buffer (dUTP Mix)	10183767	Pass
E7425GVIAL	NEBNext® Second Strand Synthesis Enzyme Mix	10183766	Pass
E7422GVIAL	Random Primers	10183765	Pass
E7421GVIAL	NEBNext® First Strand Synthesis Reaction Buffer	10183764	Pass
E7374GVIAL	NEBNext® Ligation Enhancer	10183762	Pass

Assay Name/Specification	Lot # 10197336
<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 # 10197336
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
20 Jun 2023



Michael Tonello
Packaging Quality Control Inspector
20 Jun 2023