

## New England Biolabs Certificate of Analysis

Product Name: NEBNext® Ultra™ II RNA Library Prep Kit for Illumina®  
 Catalog Number: E7770L  
 Lot Number: 10056499  
 Expiration Date: 02/2021  
 Storage Temperature: -20°C  
 Specification Version: PS-E7770S/L v1.0

NEBNext® Ultra™ II RNA Library Prep Kit for Illumina® Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E7764AAVIAL	Nuclease Free Water	10050397	Pass
E7763AAVIAL	0.1X TE	10050404	Pass
E7762AAVIAL	NEBNext® Adaptor Dilution Buffer	10050403	Pass
E7761AAVIAL	NEBNext® First Strand Synthesis Enzyme Mix	10050402	Pass
E7649AAVIAL	NEBNext® Ultra™ II Q5® Master Mix	10050401	Pass
E7648AAVIAL	NEBNext® Ultra™ II Ligation Master Mix	10050400	Pass
E7647AAVIAL	NEBNext® Ultra™ II End Prep Reaction Buffer	10050399	Pass
E7646AAVIAL	NEBNext® Ultra™ II End Prep Enzyme Mix	10050398	Pass
E7427AAVIAL	NEBNext® Second Strand Synthesis Reaction Buffer, 10X	10050396	Pass
E7425AAVIAL	NEBNext® Second Strand Synthesis Enzyme Mix	10050395	Pass
E7422AAVIAL	Random Primers	10050394	Pass
E7421AAVIAL	NEBNext® First Strand Synthesis Reaction Buffer	10050393	Pass
E7374AAVIAL	NEBNext® Ligation Enhancer	10050392	Pass

Assay Name/Specification	Lot # 10056499
<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 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.	<b>Pass</b>
<b>* Individual Product Component Note</b> Standard Quality Control Tests are performed for each component included in NEBNext®	<b>Pass</b>

Assay Name/Specification	Lot # 10056499
Ultra™ II RNA Library Prep Kit for Illumina® and meet the designated specifications.	

This product has been tested and shown to be in compliance with all specifications.



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Christine Sumner  
Production Scientist  
25 Sep 2019



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Michael Tonello  
Packaging Quality Control Inspector  
25 Sep 2019