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New England Biolabs Certificate of Analysis

Product Name: NEBNext® Ultra™ II RNA Library Prep Kit for Illumina®

Catalog Number: E7770L
Packaging Lot Number: 10078754
Expiration Date: 10/2021
Storage Temperature: -20°C

Specification Version: PS-E7770S/L v1.0

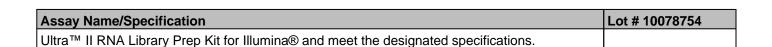
NEBNext® Ultra™ II RNA Library Prep Kit for Illumina® Component List				
NEB Part Number	Component Description	Lot Number	Individual QC Result	
E7764AAVIAL	Nuclease-free Water	10071407	Pass	
E7763AAVIAL	0.1X TE	10071414	Pass	
E7762AAVIAL	NEBNext® Adaptor Dilution Buffer	10071413	Pass	
E7761AAVIAL	NEBNext® First Strand Synthesis Enzyme Mix	10071412	Pass	
E7649AAVIAL	NEBNext® Ultra™ II Q5® Master Mix	10071411	Pass	
E7648AAVIAL	NEBNext® Ultra™ II Ligation Master Mix	10071410	Pass	
E7647AAVIAL	NEBNext® Ultra™ II End Prep Reaction Buffer	10071409	Pass	
E7646AAVIAL	NEBNext® Ultra™ II End Prep Enzyme Mix	10071408	Pass	
E7427AAVIAL	NEBNext® Second Strand Synthesis Reaction Buffer, 10X	10071406	Pass	
E7425AAVIAL	NEBNext® Second Strand Synthesis Enzyme Mix	10071405	Pass	
E7422AAVIAL	Random Primers	10071404	Pass	
E7421AAVIAL	NEBNext® First Strand Synthesis Reaction Buffer	10071403	Pass	
E7374AAVIAL	NEBNext® Ligation Enhancer	10071402	Pass	

Assay Name/Specification	Lot # 10078754
Functional Testing (Library Construction, RNA)	Pass
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.	
* Individual Product Component Note	Pass
Standard Quality Control Tests are performed for each component included in NEBNext®	



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

Christine Sumner
Production Scientist

02 Jul 2020

Michael Tonello

Packaging Quality Control Inspector

02 Jul 2020

