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New England Biolabs Certificate of Analysis

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

Catalog Number: E7770S

Lot Number: 10034096

Expiration Date: 05/2020

Storage Temperature: -20°C

Specification Version: PS-E7770S/L v1.0

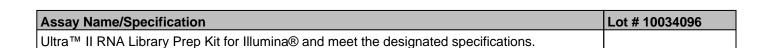
NEBNext® Ultra™ II RNA Library Prep Kit for Illumina® Component List				
NEB Part Number	Component Description	Lot Number	Individual QC Result	
E7764AVIAL	Nuclease Free Water	10026941	Pass	
E7763AVIAL	0.1X TE	10026948	Pass	
E7762AVIAL	NEBNext® Adaptor Dilution Buffer	10026947	Pass	
E7761AVIAL	NEBNext® First Strand Synthesis Enzyme Mix	10026946	Pass	
E7649AVIAL	NEBNext® Ultra™ II Q5® Master Mix	10026945	Pass	
E7648AVIAL	NEBNext® Ultra™ II Ligation Master Mix	10026944	Pass	
E7647AVIAL	NEBNext® Ultra™ II End Prep Reaction Buffer	10026943	Pass	
E7646AVIAL	NEBNext® Ultra™ II End Prep Enzyme Mix	10026942	Pass	
E7427AVIAL	NEBNext® Second Strand Synthesis Reaction Buffer, 10X	10026940	Pass	
E7425AVIAL	NEBNext® Second Strand Synthesis Enzyme Mix	10026939	Pass	
E7422AVIAL	Random Primers	10026938	Pass	
E7421AVIAL	NEBNext® First Strand Synthesis Reaction Buffer	10026937	Pass	
E7374AVIAL	NEBNext® Ligation Enhancer	10026936	Pass	

Assay Name/Specification	Lot # 10034096
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

29 Apr 2019

Michael Tonello

Packaging Quality Control Inspector

29 Apr 2019



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