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New England Biolabs Certificate of Analysis

Product Name: NEBNext® Ultra™ II RNA First Strand Synthesis Module

Catalog Number: E7771L

Lot Number: 10026983

Expiration Date: 05/2020

Storage Temperature: -20°C

Specification Version: PS-E7771S/L v1.0

NEBNext® Ultra™ II RNA First Strand Synthesis Module Component List				
NEB Part Number	Component Description	Lot Number	Individual QC Result	
E7766AAVIAL	NEBNext® Strand Specificity Reagent	10026987	Pass	
E7761AAVIAL	NEBNext® First Strand Synthesis Enzyme Mix	10026986	Pass	
E7422AAVIAL	Random Primers	10026985	Pass	
E7421AAVIAL	NEBNext® First Strand Synthesis Reaction Buffer	10026984	Pass	

Assay Name/Specification	Lot # 10026983
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®	1 455
Ultra™ II RNA First Strand Synthesis Module and meet the designated specifications.	
Ultra ···· II KNA First Strand Synthesis Module 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 04 Dec 2018 Michael Tonello

Packaging Quality Control Inspector

04 Dec 2018