

## New England Biolabs Certificate of Analysis

Product Name: NEBNext® Ultra™ RNA Library Prep Kit for Illumina®  
 Catalog Number: E7530S  
 Packaging Lot Number: 10062012  
 Expiration Date: 12/2020  
 Storage Temperature: -20°C  
 Specification Version: PS-E7530S/L v1.0

NEBNext® Ultra™ RNA Library Prep Kit for Illumina® Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E7431AVIAL	Nuclease-free Water	10044447	Pass
E7427AVIAL	NEBNext® Second Strand Synthesis Reaction Buffer, 10X	10044448	Pass
E7425AVIAL	NEBNext® Second Strand Synthesis Enzyme Mix	10044443	Pass
E7424AVIAL	RNase Inhibitor, Murine	10044442	Pass
E7423AVIAL	ProtoScript® II Reverse Transcriptase	10044449	Pass
E7422AVIAL	Random Primers	10044441	Pass
E7421AVIAL	NEBNext® First Strand Synthesis Reaction Buffer	10044440	Pass
E7373AVIAL	Blunt/TA Ligase Master Mix	10044446	Pass
E7372AVIAL	NEBNext® End Repair Reaction Buffer	10044445	Pass
E7371AVIAL	NEBNext® End Prep Enzyme Mix	10044444	Pass
E6625AVIAL	NEBNext® Q5® Hot Start HiFi PCR Master Mix	10044450	Pass

Assay Name/Specification	Lot # 10062012
<b>Functional Testing (Library Construction, RNA)</b> Each set of reagents is functionally validated and compared to a previous lot through construction of libraries made from commercially available RNA, using the kit's minimum and maximum input requirements. Libraries made from 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.	Pass
<b>* Individual Product Component Note</b> Standard Quality Control Tests are performed for each component included in NEBNext® Ultra™ RNA Library Prep Kit for Illumina® and meet the designated specifications.	Pass

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



*Christine Sumner*

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Christine Sumner  
Production Scientist  
23 Dec 2019

*Michael Tonello*

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Michael Tonello  
Packaging Quality Control Inspector  
23 Dec 2019