

## New England Biolabs Certificate of Analysis

Product Name: NEBNext® Ultra™ RNA Library Prep Kit for Illumina®  
 Catalog Number: E7530L  
 Lot Number: 10051551  
 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
E7431AAVIAL	Nuclease-free Water	10044459	Pass
E7427AAVIAL	NEBNext® Second Strand Synthesis Reaction Buffer, 10X	10044460	Pass
E7425AAVIAL	NEBNext® Second Strand Synthesis Enzyme Mix	10044455	Pass
E7424AAVIAL	RNase Inhibitor, Murine	10044454	Pass
E7423AAVIAL	ProtoScript® II Reverse Transcriptase	10044461	Pass
E7422AAVIAL	Random Primers	10044453	Pass
E7421AAVIAL	NEBNext® First Strand Synthesis Reaction Buffer	10044452	Pass
E7373AAVIAL	Blunt/TA Ligase Master Mix	10044458	Pass
E7372AAVIAL	NEBNext® End Repair Reaction Buffer	10044457	Pass
E7371AAVIAL	NEBNext® End Prep Enzyme Mix	10044456	Pass
E6625AAVIAL	NEBNext® Q5® Hot Start HiFi PCR Master Mix	10044462	Pass

Assay Name/Specification	Lot # 10051551
<p><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.</p> <p><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.</p>	<p>Pass</p> <p>Pass</p>

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



*Christine Sumner*

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Christine Sumner  
Production Scientist  
29 Jul 2019

*Michael Tonello*

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Michael Tonello  
Packaging Quality Control Inspector  
29 Jul 2019