NEW ENGLAND BioLabs Inc.
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New England Biolabs
Certificate of Analysis

Product Name: *NEBNext® Ultra™ RNA Library Prep Kit for Illumina®*
Catalog Number: *E7530L*
Packaging Lot Number: *10091056*
Expiration Date: *04/2022*
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	10085805	**Pass**
E7427AAVIAL	NEBNext® Second Strand Synthesis Reaction Buffer, 10X	10085807	**Pass**
E7425AAVIAL	NEBNext® Second Strand Synthesis Enzyme Mix	10085801	**Pass**
E7424AAVIAL	RNase Inhibitor, Murine	10085800	**Pass**
E7423AAVIAL	ProtoScript® II Reverse Transcriptase	10085808	**Pass**
E7422AAVIAL	Random Primers	10085799	**Pass**
E7421AAVIAL	NEBNext® First Strand Synthesis Reaction Buffer	10085798	**Pass**
E7373AAVIAL	Blunt/TA Ligase Master Mix	10085804	**Pass**
E7372AAVIAL	NEBNext® End Repair Reaction Buffer	10085803	**Pass**
E7371AAVIAL	NEBNext® End Prep Enzyme Mix	10085802	**Pass**
E6625AAVIAL	NEBNext® Q5® Hot Start HiFi PCR Master Mix	10085809	**Pass**

Assay Name/Specification	Lot # 10091056
Functional Testing (Library Construction, RNA) 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**
*** Individual Product Component Note** 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.

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13 Nov 2020

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