

## New England Biolabs Certificate of Analysis

**Product Name:** NEBNext® Ultra™ II RNA Library Prep Kit for Illumina®  
**Catalog Number:** E7770S  
**Lot Number:** 10037996  
**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 # 10037996
<b>Functional Testing (Library Construction, RNA)</b> 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.	<b>Pass</b>
<b>* Individual Product Component Note</b> Standard Quality Control Tests are performed for each component included in NEBNext®	<b>Pass</b>

Assay Name/Specification	Lot # 10037996
Ultra™ II RNA Library Prep Kit for Illumina® 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  
21 Feb 2019



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Michael Tonello  
Packaging Quality Control Inspector  
21 Feb 2019