

## New England Biolabs Certificate of Analysis

Product Name: NEBNext® Ultra™ II RNA Library Prep Kit for Illumina®  
 Catalog Number: E7770L  
 Packaging Lot Number: 10089893  
 Expiration Date: 06/2022  
 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
E7764AAVIAL	Nuclease-free Water	10089904	Pass
E7763AAVIAL	0.1X TE	10089911	Pass
E7762AAVIAL	NEBNext® Adaptor Dilution Buffer	10089910	Pass
E7761AAVIAL	NEBNext® First Strand Synthesis Enzyme Mix	10089909	Pass
E7649AAVIAL	NEBNext® Ultra™ II Q5® Master Mix	10089908	Pass
E7648AAVIAL	NEBNext® Ultra™ II Ligation Master Mix	10089907	Pass
E7647AAVIAL	NEBNext® Ultra™ II End Prep Reaction Buffer	10089906	Pass
E7646AAVIAL	NEBNext® Ultra™ II End Prep Enzyme Mix	10089905	Pass
E7427AAVIAL	NEBNext® Second Strand Synthesis Reaction Buffer, 10X	10089903	Pass
E7425AAVIAL	NEBNext® Second Strand Synthesis Enzyme Mix	10089902	Pass
E7422AAVIAL	Random Primers	10089901	Pass
E7421AAVIAL	NEBNext® First Strand Synthesis Reaction Buffer	10089900	Pass
E7374AAVIAL	NEBNext® Ligation Enhancer	10089899	Pass

Assay Name/Specification	Lot # 10089893
<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.	Pass
<b>* Individual Product Component Note</b> Standard Quality Control Tests are performed for each component included in NEBNext®	Pass

Assay Name/Specification	Lot # 10089893
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.

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit [www.neb.com/trademarks](http://www.neb.com/trademarks) for additional information.



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Christine Sumner  
Production Scientist  
30 Dec 2020



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Michael Tonello  
Packaging Quality Control Inspector  
24 May 2021