

## New England Biolabs Certificate of Analysis

**Product Name:** NEBNext® Ultra™ II RNA Library Prep Kit for Illumina®  
**Catalog Number:** E7770L  
**Packaging Lot Number:** 10138368  
**Expiration Date:** 05/2023  
**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	10123349	Pass
E7763AAVIAL	0.1X TE	10123356	Pass
E7762AAVIAL	NEBNext® Adaptor Dilution Buffer	10123355	Pass
E7761AAVIAL	NEBNext® First Strand Synthesis Enzyme Mix	10123354	Pass
E7649AAVIAL	NEBNext® Ultra™ II Q5® Master Mix	10123353	Pass
E7648AAVIAL	NEBNext® Ultra™ II Ligation Master Mix	10123352	Pass
E7647AAVIAL	NEBNext® Ultra™ II End Prep Reaction Buffer	10123351	Pass
E7646AAVIAL	NEBNext® Ultra™ II End Prep Enzyme Mix	10123350	Pass
E7427AAVIAL	NEBNext® Second Strand Synthesis Reaction Buffer, 10X	10123348	Pass
E7425AAVIAL	NEBNext® Second Strand Synthesis Enzyme Mix	10123347	Pass
E7422AAVIAL	Random Primers	10123346	Pass
E7421AAVIAL	NEBNext® First Strand Synthesis Reaction Buffer	10123345	Pass
E7374AAVIAL	NEBNext® Ligation Enhancer	10123344	Pass

Assay Name/Specification	Lot # 10138368
<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 # 10138368
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  
26 Jan 2022



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Michael Tonello  
Packaging Quality Control Inspector  
26 Jan 2022