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## New England Biolabs Certificate of Analysis

Product Name: NEBNext® Ultra™ II RNA Library Prep Kit for Illumina®

Catalog Number: E7770L
Packaging Lot Number: 10107970
Expiration Date: 06/2022
Storage Temperature: -20°C

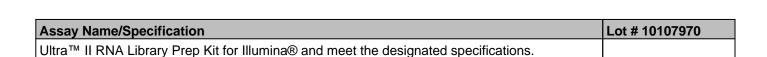
Specification Version: PS-E7770S/L v1.0

NEBNext® Ultra™ II RNA Library Prep Kit for Illumina® Component List			
<b>NEB Part Number</b>	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 # 10107970
Functional Testing (Library Construction, RNA)	Pass
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.	
* Individual Product Component Note	Pass
Standard Quality Control Tests are performed for each component included in NEBNext®	



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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 for additional information.

Christine Sumner Production Scientist

Christin Jun

30 Apr 2021

Josh Hersey

Packaging Quality Control Inspector

30 Apr 2021



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