

New England Biolabs Certificate of Analysis

Product Name: NEBNext® Ultra™ II RNA Library Prep Kit for Illumina®
 Catalog Number: E7770L
 Packaging Lot Number: 10076490
 Expiration Date: 10/2021
 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 | 10071407 | Pass |
| E7763AAVIAL | 0.1X TE | 10071414 | Pass |
| E7762AAVIAL | NEBNext® Adaptor Dilution Buffer | 10071413 | Pass |
| E7761AAVIAL | NEBNext® First Strand Synthesis Enzyme Mix | 10071412 | Pass |
| E7649AAVIAL | NEBNext® Ultra™ II Q5® Master Mix | 10071411 | Pass |
| E7648AAVIAL | NEBNext® Ultra™ II Ligation Master Mix | 10071410 | Pass |
| E7647AAVIAL | NEBNext® Ultra™ II End Prep Reaction Buffer | 10071409 | Pass |
| E7646AAVIAL | NEBNext® Ultra™ II End Prep Enzyme Mix | 10071408 | Pass |
| E7427AAVIAL | NEBNext® Second Strand Synthesis Reaction Buffer, 10X | 10071406 | Pass |
| E7425AAVIAL | NEBNext® Second Strand Synthesis Enzyme Mix | 10071405 | Pass |
| E7422AAVIAL | Random Primers | 10071404 | Pass |
| E7421AAVIAL | NEBNext® First Strand Synthesis Reaction Buffer | 10071403 | Pass |
| E7374AAVIAL | NEBNext® Ligation Enhancer | 10071402 | Pass |

| Assay Name/Specification | Lot # 10076490 |
|---|----------------|
| Functional Testing (Library Construction, RNA) 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 |
| * Individual Product Component Note Standard Quality Control Tests are performed for each component included in NEBNext® | Pass |

| Assay Name/Specification | Lot # 10076490 |
|--|----------------|
| 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.



Christine Sumner
Production Scientist
29 May 2020



Michael Tonello
Packaging Quality Control Inspector
29 May 2020