

New England Biolabs Certificate of Analysis

Product Name: NEBNext[®] Ultra[™] II DNA Library Prep Kit for Illumina[®]
 Catalog Number: E7645S
 Packaging Lot Number: 10072793
 Expiration Date: 03/2021
 Storage Temperature: -20°C
 Specification Version: PS-E7645S/L v1.0

| NEBNext [®] Ultra [™] II DNA Library Prep Kit for Illumina [®] Component List | | | |
|--|---|------------|----------------------|
| NEB Part Number | Component Description | Lot Number | Individual QC Result |
| E7649AVIAL | NEBNext [®] Ultra [™] II Q5 [®] Master Mix | 10071178 | Pass |
| E7648AVIAL | NEBNext [®] Ultra [™] II Ligation Master Mix | 10071176 | Pass |
| E7647AVIAL | NEBNext [®] Ultra [™] II End Prep Reaction Buffer | 10071175 | Pass |
| E7646AVIAL | NEBNext [®] Ultra [™] II End Prep Enzyme Mix | 10071174 | Pass |
| E7374AVIAL | NEBNext [®] Ligation Enhancer | 10071177 | Pass |

| Assay Name/Specification | Lot # 10072793 |
|--|----------------|
| Functional Testing (Library Construction, DNA) Each set of reagents is functionally validated and compared to a previous lot through construction of libraries made from commercially available genomic DNA, using the kit's minimum and maximum input requirements. Libraries made from previous and current lots for both input DNA amounts are sequenced together on the same Illumina [®] flow cell and compared across various metrics including library yield, fraction of reads aligning to the reference, GC bias, and insert size. | Pass |
| * Individual Product Component Note Standard Quality Control Tests are performed for each component included in NEBNext [®] Ultra [™] II DNA Library Prep Kit for Illumina [®] and meet the designated specifications. | Pass |

This product has been tested and shown to be in compliance with all specifications.

Christine Sumner

Christine Sumner
Production Scientist
02 Apr 2020

Josh Hersey

Josh Hersey
Packaging Quality Control Inspector
02 Apr 2020