

New England Biolabs Product Specification

Product Name: NEBNext[®] Ultra[™] II DNA Library Prep Kit for Illumina[®]
Catalog #: E7645S/L
Kit Components: NEBNext[®] Ultra[™] II End Prep Enzyme Mix (E7646)
NEBNext[®] Ultra[™] II End Prep Reaction Buffer (E7647)
NEBNext[®] Ultra[™] II Ligation Master Mix (E7648)
NEBNext[®] Ligation Enhancer (E7374)
NEBNext[®] Ultra[™] II Q5[®] Master Mix (E7649)
Shelf Life: 12 months
Storage Temp: -20°C
Specification Version: PS-E7645S/L v1.0
Effective Date: 15 May 2018

Assay Name/Specification (minimum release criteria)

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.

* **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.



Date 15 May 2018

Derek Robinson
Director of Quality Control

