

## New England Biolabs Product Specification

*Product Name:* NEBNext<sup>®</sup> Ultra<sup>™</sup> II End Repair/dA-Tailing Module  
*Catalog #:* E7546S/L  
*Kit Components:* NEBNext<sup>®</sup> Ultra<sup>™</sup> II End Prep Enzyme Mix (E7646)  
NEBNext<sup>®</sup> Ultra<sup>™</sup> II End Prep Reaction Buffer (E7647)  
*Shelf Life:* 12 months  
*Storage Temp:* -20°C  
*Specification Version:* PS-E7546S/L v1.0  
*Effective Date:* 10 May 2018

### Assay Name/Specification (minimum release criteria)

**Functional Testing (Library Construction, DNA Modules)** - Each set of reagents is functionally validated and compared to a previous lot through construction of DNA libraries. Libraries made from previous and current lots for the recommended input DNA amounts are sequenced together on the same Illumina<sup>®</sup> 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<sup>®</sup> Ultra<sup>™</sup> II End Repair/dA-Tailing Module and meet the designated specifications.



Date 10 May 2018

Derek Robinson  
Director of Quality Control

