

## New England Biolabs Product Specification

*Product Name:* NEBNext<sup>®</sup> Multiplex Oligos for Illumina<sup>®</sup> (96 Unique Dual Index Primer Pairs)  
*Catalog #:* E6440S/L  
*Kit Components:* NEBNext<sup>®</sup> Adaptor for Illumina<sup>®</sup> (E6612)  
USER<sup>®</sup> Enzyme (E6610)  
NEBNext<sup>®</sup> 96 Unique Dual Index Primer Pairs (E6441)  
*Shelf Life:* 24 months  
*Storage Temp:* -20°C  
*Specification Version:* PS-E6440S/L v1.0  
*Effective Date:* 01 Feb 2018

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

**Functional Testing (Library Construction, Oligo)** - Each of the components are functionally validated through construction of libraries made from commercially available genomic DNA. Libraries are made from each unique barcoded oligonucleotide and 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<sup>®</sup> Multiplex Oligos for Illumina<sup>®</sup> (96 Unique Dual Index Primer Pairs) and meet the designated specifications.



Date 01 Feb 2018

Derek Robinson  
Director of Quality Control

