

## New England Biolabs Product Specification

*Product Name:* NEBNext<sup>®</sup> Multiplex Oligos for Illumina<sup>®</sup> (Methylated Adaptor, Index Primers Set 1)

*Catalog #:* E7535S/L

*Kit Components:* NEBNext<sup>®</sup> Universal PCR Primer for Illumina<sup>®</sup> (E6861)  
NEBNext<sup>®</sup> Index 1 Primer for Illumina<sup>®</sup> (E7311)  
NEBNext<sup>®</sup> Index 2 Primer for Illumina<sup>®</sup> (E7312)  
NEBNext<sup>®</sup> Index 3 Primer for Illumina<sup>®</sup> (E7313)  
NEBNext<sup>®</sup> Index 4 Primer for Illumina<sup>®</sup> (E7314)  
NEBNext<sup>®</sup> Index 5 Primer for Illumina<sup>®</sup> (E7315)  
NEBNext<sup>®</sup> Index 6 Primer for Illumina<sup>®</sup> (E7316)  
NEBNext<sup>®</sup> Index 7 Primer for Illumina<sup>®</sup> (E7317)  
NEBNext<sup>®</sup> Index 8 Primer for Illumina<sup>®</sup> (E7318)  
NEBNext<sup>®</sup> Index 9 Primer for Illumina<sup>®</sup> (E7319)  
NEBNext<sup>®</sup> Index 10 Primer for Illumina<sup>®</sup> (E7320)  
NEBNext<sup>®</sup> Index 11 Primer for Illumina<sup>®</sup> (E7321)  
NEBNext<sup>®</sup> Index 12 Primer for Illumina<sup>®</sup> (E7322)  
USER<sup>®</sup> Enzyme (E7338)  
NEBNext<sup>®</sup> Methylated Adaptor for Illumina<sup>®</sup> (E7536)

*Shelf Life:* 24 months

*Storage Temp:* -20°C

*Specification Version:* PS-E7535S/L v1.0

*Effective Date:* 21 May 2019

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

**Functional Testing (Library Construction, Methylated Adaptor)** - Each of the components are functionally validated and compared to a previous lot through construction of libraries made from commercially available genomic DNA. Bisulfite converted libraries are made using the NEBNext<sup>®</sup> Methylated Adaptor according to the kit's minimum and maximum input requirements. Libraries 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, 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> (Methylated Adaptor, Index Primers Set 1) and meet the designated specifications.



Date 21 May 2019

Derek Robinson  
Director of Quality Control

