

New England Biolabs Product Specification

Product Name: NEBNext[®] Multiplex Oligos for Enzymatic Methyl-seq (Unique Dual Index Primer Pairs)
Catalog #: E7140G
Kit Components: EM-seq[™] Index Primer 1 (E7141)
EM-seq[™] Index Primer 2 (E7142)
EM-seq[™] Index Primer 3 (E7143)
EM-seq[™] Index Primer 4 (E7144)
EM-seq[™] Index Primer 5 (E7145)
EM-seq[™] Index Primer 6 (E7146)
NEBNext[®] EM-seq[™] Adaptor (E7165)
Shelf Life: 24 months
Storage Temp: -20°C
Specification Version: PS-E7140G v1.0
Effective Date: 17 Apr 2019

Assay Name/Specification (minimum release criteria)

Functional Testing (Library Construction) - Each set of reagents is functionally validated and compared to the previous lot through construction of libraries made from genomic DNA and DNA controls (CpG methylated pUC19 and unmethylated Lambda), that are required for assessment of 5mC and 5hmC. The kit's minimum and maximum DNA input requirements are used to make libraries that are sequenced on the same Illumina[®] flow cell. Library assessment is based on metrics including library yields, GC bias, insert size, and the percent 5mC/5hmC detected for CpG, CHG, CHH contexts within the genomic DNA and internal controls.

* **Individual Product Component Note** - Standard Quality Control Tests are performed for each component included in NEBNext[®] Multiplex Oligos for Enzymatic Methyl-seq (Unique Dual Index Primer Pairs) and meet the designated specifications.



Date 17 Apr 2019

Derek Robinson
Director of Quality Control

