

New England Biolabs Certificate of Analysis

Product Name: NEBNext[®] Multiplex Oligos for Enzymatic Methyl-seq (Unique Dual Index Primer Pairs)
Catalog Number: E7140S
Packaging Lot Number: 10093978
Expiration Date: 02/2022
Storage Temperature: -20°C
Specification Version: PS-E7140S v1.0

| NEBNext [®] Multiplex Oligos for Enzymatic Methyl-seq (Unique Dual Index Primer Pairs) Component List | | | |
|--|--|------------|----------------------|
| NEB Part Number | Component Description | Lot Number | Individual QC Result |
| E7165AVIAL | NEBNext [®] EM-seq [™] Adaptor | 10068780 | Pass |
| E7164AVIAL | EM-seq [™] Index Primer 24 | 10068779 | Pass |
| E7163AVIAL | EM-seq [™] Index Primer 23 | 10068778 | Pass |
| E7162AVIAL | EM-seq [™] Index Primer 22 | 10068777 | Pass |
| E7161AVIAL | EM-seq [™] Index Primer 21 | 10068776 | Pass |
| E7160AVIAL | EM-seq [™] Index Primer 20 | 10068775 | Pass |
| E7159AVIAL | EM-seq [™] Index Primer 19 | 10068774 | Pass |
| E7158AVIAL | EM-seq [™] Index Primer 18 | 10068773 | Pass |
| E7157AVIAL | EM-seq [™] Index Primer 17 | 10068771 | Pass |
| E7156AVIAL | EM-seq [™] Index Primer 16 | 10068769 | Pass |
| E7155AVIAL | EM-seq [™] Index Primer 15 | 10068768 | Pass |
| E7154AVIAL | EM-seq [™] Index Primer 14 | 10068767 | Pass |
| E7153AVIAL | EM-seq [™] Index Primer 13 | 10068766 | Pass |
| E7152AVIAL | EM-seq [™] Index Primer 12 | 10068765 | Pass |
| E7151AVIAL | EM-seq [™] Index Primer 11 | 10068763 | Pass |
| E7150AVIAL | EM-seq [™] Index Primer 10 | 10068762 | Pass |
| E7149AVIAL | EM-seq [™] Index Primer 9 | 10068761 | Pass |
| E7148AVIAL | EM-seq [™] Index Primer 8 | 10068760 | Pass |
| E7147AVIAL | EM-seq [™] Index Primer 7 | 10068759 | Pass |
| E7146AVIAL | EM-seq [™] Index Primer 6 | 10068758 | Pass |
| E7145AVIAL | EM-seq [™] Index Primer 5 | 10068757 | Pass |
| E7144AVIAL | EM-seq [™] Index Primer 4 | 10068756 | Pass |
| E7143AVIAL | EM-seq [™] Index Primer 3 | 10068755 | Pass |
| E7142AVIAL | EM-seq [™] Index Primer 2 | 10068754 | Pass |
| E7141AVIAL | EM-seq [™] Index Primer 1 | 10068753 | Pass |

| Assay Name/Specification | Lot # 10093978 |
|---|----------------|
| <p>* 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.</p> | Pass |
| <p>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.</p> | Pass |

This product has been tested and shown to be in compliance with all specifications.

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Christine Sumner
Production Scientist
11 Dec 2020



Josh Hersey
Packaging Quality Control Inspector
11 Dec 2020