NEW ENGLAND BioLabs Inc.
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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: *10068752*
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**

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Assay Name/Specification	Lot # 10068752
*** 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.	**Pass**
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.	**Pass**

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

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit www.neb.com/trademarks for additional information.

Christine Sumner
Production Scientist
03 Mar 2020

Michael Tonello
Packaging Quality Control Inspector
02 Mar 2021