

## 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:** 10160864  
**Expiration Date:** 03/2024  
**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	10142042	Pass
E7164AVIAL	EM-seq™ Index Primer 24	10142041	Pass
E7163AVIAL	EM-seq™ Index Primer 23	10142040	Pass
E7162AVIAL	EM-seq™ Index Primer 22	10142039	Pass
E7161AVIAL	EM-seq™ Index Primer 21	10142038	Pass
E7160AVIAL	EM-seq™ Index Primer 20	10142037	Pass
E7159AVIAL	EM-seq™ Index Primer 19	10142036	Pass
E7158AVIAL	EM-seq™ Index Primer 18	10142035	Pass
E7157AVIAL	EM-seq™ Index Primer 17	10142034	Pass
E7156AVIAL	EM-seq™ Index Primer 16	10142033	Pass
E7155AVIAL	EM-seq™ Index Primer 15	10142032	Pass
E7154AVIAL	EM-seq™ Index Primer 14	10142031	Pass
E7153AVIAL	EM-seq™ Index Primer 13	10142030	Pass
E7152AVIAL	EM-seq™ Index Primer 12	10142029	Pass
E7151AVIAL	EM-seq™ Index Primer 11	10142028	Pass
E7150AVIAL	EM-seq™ Index Primer 10	10142027	Pass
E7149AVIAL	EM-seq™ Index Primer 9	10142026	Pass
E7148AVIAL	EM-seq™ Index Primer 8	10142025	Pass
E7147AVIAL	EM-seq™ Index Primer 7	10142024	Pass
E7146AVIAL	EM-seq™ Index Primer 6	10142023	Pass
E7145AVIAL	EM-seq™ Index Primer 5	10142022	Pass
E7144AVIAL	EM-seq™ Index Primer 4	10142021	Pass
E7143AVIAL	EM-seq™ Index Primer 3	10142020	Pass
E7142AVIAL	EM-seq™ Index Primer 2	10142019	Pass
E7141AVIAL	EM-seq™ Index Primer 1	10142018	Pass

Assay Name/Specification	Lot # 10160864
<p><b>* Individual Product Component Note</b> Standard Quality Control Tests are performed for each component included in NEBNext<sup>®</sup> Multiplex Oligos for Enzymatic Methyl-seq (Unique Dual Index Primer Pairs) and meet the designated specifications.</p>	<b>Pass</b>
<p><b>Functional Testing (Library Construction)</b> 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<sup>®</sup> 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>	<b>Pass</b>

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

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Christine Sumner  
Production Scientist  
02 Aug 2022




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Michael Tonello  
Packaging Quality Control Inspector  
02 Aug 2022