

## New England Biolabs Certificate of Analysis

*Product Name:* NEBNext® Multiplex Oligos for Enzymatic Methyl-seq (Unique Dual Index Primer Pairs)  
*Catalog Number:* E7140G  
*Packaging Lot Number:* 10212574  
*Expiration Date:* 11/2025  
*Storage Temperature:* -20°C  
*Specification Version:* PS-E7140G 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
E7165GVIAL	NEBNext® EM-seq™ Adaptor	10212583	Pass
E7146GVIAL	EM-seq™ Index Primer 6	10212581	Pass
E7145GVIAL	EM-seq™ Index Primer 5	10212580	Pass
E7144GVIAL	EM-seq™ Index Primer 4	10212579	Pass
E7143GVIAL	EM-seq™ Index Primer 3	10212577	Pass
E7142GVIAL	EM-seq™ Index Primer 2	10212576	Pass
E7141GVIAL	EM-seq™ Index Primer 1	10212575	Pass

Assay Name/Specification	Lot # 10212574
<p><b>* Individual Product Component Note</b>            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>	<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® 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.

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



*Christine Sumner*

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Christine Sumner  
Production Scientist  
29 Jul 2024

*Michael Tonello*

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Michael Tonello  
Packaging Quality Control Inspector  
29 Jul 2024