

## New England Biolabs Certificate of Analysis

**Product Name:** NEBNext® Enzymatic Methyl-seq Conversion Module  
**Catalog Number:** E7125L  
**Packaging Lot Number:** 10232855  
**Expiration Date:** 03/2025  
**Storage Temperature:** -20°C  
**Specification Version:** PS-E7125S/L/G v2.0

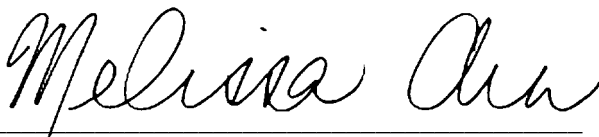
NEBNext® Enzymatic Methyl-seq Conversion Module Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E7139AAVIAL	DTT	10232213	Pass
E7135AAVIAL	BSA	10232211	Pass
E7134AAVIAL	APOBEC Reaction Buffer	10232209	Pass
E7133AAVIAL	APOBEC	10232207	Pass
E7132AAVIAL	Stop Reagent	10232205	Pass
E7131AAVIAL	Fe (II) Solution	10232202	Pass
E7130AAVIAL	TET2	10232199	Pass
E7129AAVIAL	Oxidation Enhancer	10232196	Pass
E7128AAVIAL	Oxidation Supplement	10232193	Pass
E7127AAVIAL	TET2 Reaction Buffer Supplement	10232190	Pass
E7126AAVIAL	TET2 Reaction Buffer	10232187	Pass
E7124AAVIAL	Elution Buffer	10232184	Pass
E7123AAVIAL	Control DNA unmethylated Lambda	10232181	Pass
E7122AAVIAL	Control DNA CpG methylated pUC19	10232179	Pass

Assay Name/Specification	Lot # 10232855
<p><b>* Individual Product Component Note</b> Standard Quality Control Tests are performed for each component included in NEBNext® Enzymatic Methyl-seq Conversion Module 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</p>	<b>Pass</b>

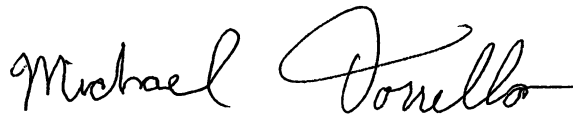
Assay Name/Specification	Lot # 10232855
5mC/5hmC detected for CpG, CHG, CHH contexts within the genomic DNA and internal controls.	

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.



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26 Apr 2024



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03 May 2024