

## New England Biolabs Certificate of Analysis

Product Name: NEBNext® Enzymatic Methyl-seq Conversion Module  
 Catalog Number: E7125S  
 Packaging Lot Number: 10171499  
 Expiration Date: 09/2023  
 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	10158753	Pass
E7135AVIAL	BSA	10158752	Pass
E7134AVIAL	APOBEC Reaction Buffer	10158751	Pass
E7133AVIAL	APOBEC	10158750	Pass
E7132AVIAL	Stop Reagent	10158749	Pass
E7131AVIAL	Fe (II) Solution	10158748	Pass
E7130AVIAL	TET2	10158743	Pass
E7129AVIAL	Oxidation Enhancer	10158742	Pass
E7128AVIAL	Oxidation Supplement	10158741	Pass
E7127AVIAL	TET2 Reaction Buffer Supplement	10158740	Pass
E7126AVIAL	TET2 Reaction Buffer	10158739	Pass
E7124AVIAL	Elution Buffer	10158738	Pass
E7123AVIAL	Control DNA unmethylated Lambda	10158737	Pass
E7122AVIAL	Control DNA CpG methylated pUC19	10158735	Pass

Assay Name/Specification	Lot # 10171499
<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>	Pass
<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>	Pass

Assay Name/Specification	Lot # 10171499
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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Christine Sumner  
Production Scientist  
17 Nov 2022



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Michael Tonello  
Packaging Quality Control Inspector  
17 Nov 2022