

## New England Biolabs Certificate of Analysis

Product Name: NEBNext® Enzymatic Methyl-seq Conversion Module  
 Catalog Number: E7125L  
 Packaging Lot Number: 10171963  
 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	10158736	Pass
E7135AAVIAL	BSA	10158734	Pass
E7134AAVIAL	APOBEC Reaction Buffer	10158733	Pass
E7133AAVIAL	APOBEC	10158732	Pass
E7132AAVIAL	Stop Reagent	10158731	Pass
E7131AAVIAL	Fe (II) Solution	10158729	Pass
E7130AAVIAL	TET2	10158728	Pass
E7129AAVIAL	Oxidation Enhancer	10158727	Pass
E7128AAVIAL	Oxidation Supplement	10158726	Pass
E7127AAVIAL	TET2 Reaction Buffer Supplement	10158725	Pass
E7126AAVIAL	TET2 Reaction Buffer	10158724	Pass
E7124AAVIAL	Elution Buffer	10158723	Pass
E7123AAVIAL	Control DNA unmethylated Lambda	10158722	Pass
E7122AAVIAL	Control DNA CpG methylated pUC19	10158721	Pass

Assay Name/Specification	Lot # 10171963
<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 # 10171963
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  
06 Dec 2022



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Michael Tonello  
Packaging Quality Control Inspector  
06 Dec 2022