

## New England Biolabs Certificate of Analysis

Product Name: NEBNext® Enzymatic Methyl-seq Conversion Module  
 Catalog Number: E7125L  
 Packaging Lot Number: 10072522  
 Expiration Date: 02/2021  
 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	10067528	Pass
E7135AAVIAL	BSA	10067527	Pass
E7134AAVIAL	APOBEC Reaction Buffer	10067526	Pass
E7133AAVIAL	APOBEC	10067525	Pass
E7132AAVIAL	Stop Reagent	10067524	Pass
E7131AAVIAL	Fe (II) Solution	10067523	Pass
E7130AAVIAL	TET2	10067522	Pass
E7129AAVIAL	Oxidation Enhancer	10067521	Pass
E7128AAVIAL	Oxidation Supplement	10067520	Pass
E7127AAVIAL	TET2 Reaction Buffer Supplement	10067519	Pass
E7126AAVIAL	TET2 Reaction Buffer	10067518	Pass
E7124AAVIAL	Elution Buffer	10067517	Pass
E7123AAVIAL	Control DNA unmethylated Lambda	10067516	Pass
E7122AAVIAL	Control DNA CpG methylated pUC19	10067515	Pass

Assay Name/Specification	Lot # 10072522
<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.	Pass
<b>* Individual Product Component Note</b>	Pass

Assay Name/Specification	Lot # 10072522
Standard Quality Control Tests are performed for each component included in NEBNext <sup>®</sup> Enzymatic Methyl-seq Conversion Module and meet the designated specifications.	

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



Christine Sumner  
Production Scientist  
20 Apr 2020



Jay Minichiello  
Packaging Quality Control Inspector  
20 Apr 2020