

## New England Biolabs Certificate of Analysis

Product Name: NEBNext<sup>®</sup> Enzymatic Methyl-seq Conversion Module  
 Catalog Number: E7125S  
 Lot Number: 10045802  
 Expiration Date: 03/2020  
 Storage Temperature: -20°C  
 Specification Version: PS-E7125S/L/G v1.0

NEBNext <sup>®</sup> Enzymatic Methyl-seq Conversion Module Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E7135AVIAL	BSA	10038234	Pass
E7134AVIAL	APOBEC Reaction Buffer	10038233	Pass
E7133AVIAL	APOBEC	10038232	Pass
E7132AVIAL	Stop Reagent	10038231	Pass
E7131AVIAL	Fe (II) Solution	10038230	Pass
E7130AVIAL	TET2	10042937	Pass
E7129AVIAL	Oxidation Enhancer	10038228	Pass
E7128AVIAL	Oxidation Supplement	10038227	Pass
E7127AVIAL	TET2 Reaction Buffer Supplement	10038226	Pass
E7126AVIAL	TET2 Reaction Buffer	10041751	Pass
E7124AVIAL	Elution Buffer	10038224	Pass
E7123AVIAL	Control DNA unmethylated Lambda	10038223	Pass
E7122AVIAL	Control DNA CpG methylated pUC19	10038222	Pass

Assay Name/Specification	Lot # 10045802
<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<sup>®</sup> 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>	Pass
<p><b>* Individual Product Component Note</b>            Standard Quality Control Tests are performed for each component included in NEBNext<sup>®</sup></p>	Pass

Assay Name/Specification	Lot # 10045802
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  
16 May 2019



---

Michael Tonello  
Packaging Quality Control Inspector  
16 May 2019