

## New England Biolabs Certificate of Analysis

Product Name: NEBNext<sup>®</sup> Enzymatic Methyl-seq Conversion Module  
 Catalog Number: E7125S  
 Packaging Lot Number: 10053388  
 Expiration Date: 09/2020  
 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
E7139AAVIAL	DTT	10066970	Pass
E7135AVIAL	BSA	10053402	Pass
E7134AVIAL	APOBEC Reaction Buffer	10053401	Pass
E7133AVIAL	APOBEC	10053400	Pass
E7132AVIAL	Stop Reagent	10053398	Pass
E7131AVIAL	Fe (II) Solution	10053397	Pass
E7130AVIAL	TET2	10053396	Pass
E7129AVIAL	Oxidation Enhancer	10053395	Pass
E7128AVIAL	Oxidation Supplement	10053394	Pass
E7127AVIAL	TET2 Reaction Buffer Supplement	10066913	Pass
E7126AVIAL	TET2 Reaction Buffer	10066510	Pass
E7124AVIAL	Elution Buffer	10053391	Pass
E7123AVIAL	Control DNA unmethylated Lambda	10053390	Pass
E7122AVIAL	Control DNA CpG methylated pUC19	10053389	Pass

Assay Name/Specification	Lot # 10053388
<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.	Pass
<b>* Individual Product Component Note</b>	Pass

Assay Name/Specification	Lot # 10053388
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.



Melissa Arn  
Production Scientist  
22 Oct 2019



Josh Hersey  
Packaging Quality Control Inspector  
14 Feb 2020