

## New England Biolabs Certificate of Analysis

Product Name: NEBNext<sup>®</sup> Enzymatic Methyl-seq Conversion Module  
 Catalog Number: E7125L  
 Lot Number: 10050867  
 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
E7135AAVIAL	BSA	10038098	Pass
E7134AAVIAL	APOBEC Reaction Buffer	10038097	Pass
E7133AAVIAL	APOBEC	10038096	Pass
E7132AAVIAL	Stop Reagent	10038095	Pass
E7131AAVIAL	Fe (II) Solution	10038094	Pass
E7130AAVIAL	TET2	10042938	Pass
E7129AAVIAL	Oxidation Enhancer	10038092	Pass
E7128AAVIAL	Oxidation Supplement	10038091	Pass
E7127AAVIAL	TET2 Reaction Buffer Supplement	10038090	Pass
E7126AAVIAL	TET2 Reaction Buffer	10041753	Pass
E7124AAVIAL	Elution Buffer	10038088	Pass
E7123AAVIAL	Control DNA unmethylated Lambda	10038083	Pass
E7122AAVIAL	Control DNA CpG methylated pUC19	10038082	Pass

Assay Name/Specification	Lot # 10050867
<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 # 10050867
Enzymatic Methyl-seq Conversion Module and meet the designated specifications.	

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



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Christine Sumner  
Production Scientist  
23 Jul 2019



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Michael Tonello  
Packaging Quality Control Inspector  
23 Jul 2019