

## New England Biolabs Certificate of Analysis

**Product Name:** NEBNext® Enzymatic Methyl-seq Conversion Module  
**Catalog Number:** E7125G  
**Packaging Lot Number:** 10216533  
**Expiration Date:** 05/2024  
**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	10188606	Pass
E7135GVIAL	BSA	10188605	Pass
E7134GVIAL	APOBEC Reaction Buffer	10188604	Pass
E7133GVIAL	APOBEC	10188603	Pass
E7132GVIAL	Stop Reagent	10188602	Pass
E7131GVIAL	Fe (II) Solution	10188601	Pass
E7130GVIAL	TET2	10188599	Pass
E7129GVIAL	Oxidation Enhancer	10188597	Pass
E7128GVIAL	Oxidation Supplement	10188595	Pass
E7127AVIAL	TET2 Reaction Buffer Supplement	10188593	Pass
E7126GVIAL	TET2 Reaction Buffer	10188591	Pass
E7124GVIAL	Elution Buffer	10188589	Pass
E7123GVIAL	Control DNA unmethylated Lambda	10188588	Pass
E7122GVIAL	Control DNA CpG methylated pUC19	10188586	Pass

Assay Name/Specification	Lot # 10216533
<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>	<b>Pass</b>
<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>	<b>Pass</b>

Assay Name/Specification	Lot # 10216533
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.

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03 Nov 2023

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