

New England Biolabs Certificate of Analysis

Product Name: NEBNext® Enzymatic Methyl-seq Conversion Module
 Catalog Number: E7125S
 Packaging Lot Number: 10058692
 Expiration Date: 09/2020
 Storage Temperature: -20°C
 Specification Version: PS-E7125S/L/G v1.0

NEBNext® Enzymatic Methyl-seq Conversion Module Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
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	10053393	Pass
E7126AVIAL	TET2 Reaction Buffer	10053392	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 # 10058692
<p>* Individual Product Component Note Standard Quality Control Tests are performed for each component included in NEBNext® Enzymatic Methyl-seq Conversion Module and meet the designated specifications.</p>	Pass
<p>Functional Testing (Library Construction) 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</p>	Pass

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controls.	

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



Christine Sumner
Production Scientist
24 Oct 2019



Michael Tonello
Packaging Quality Control Inspector
24 Oct 2019