

New England Biolabs Certificate of Analysis

Product Name: NEBNext[®] Enzymatic Methyl-seq Conversion Module
Catalog Number: E7125G
Lot Number: 10038207
Expiration Date: 03/2020
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
E7135GVIAL	BSA	10038220	Pass
E7134GVIAL	APOBEC Reaction Buffer	10038219	Pass
E7133GVIAL	APOBEC	10038218	Pass
E7132GVIAL	Stop Reagent	10038217	Pass
E7131GVIAL	Fe (II) Solution	10038216	Pass
E7130GVIAL	TET2	10042929	Pass
E7129GVIAL	Oxidation Enhancer	10038214	Pass
E7128GVIAL	Oxidation Supplement	10038213	Pass
E7127AVIAL	TET2 Reaction Buffer Supplement	10038212	Pass
E7126GVIAL	TET2 Reaction Buffer	10041752	Pass
E7124GVIAL	Elution Buffer	10038210	Pass
E7123GVIAL	Control DNA unmethylated Lambda	10038209	Pass
E7122GVIAL	Control DNA CpG methylated pUC19	10038208	Pass

Assay Name/Specification	Lot # 10038207
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 controls.	Pass
* Individual Product Component Note Standard Quality Control Tests are performed for each component included in NEBNext [®]	Pass

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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
08 May 2019



Michael Tonello
Packaging Quality Control Inspector
08 May 2019