

New England Biolabs Certificate of Analysis

Product Name: NEBNext® Enzymatic Methyl-seq Conversion Module
Catalog Number: E7125G
Packaging Lot Number: 10096098
Expiration Date: 02/2022
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	10096122	Pass
E7135GVIAL	BSA	10096121	Pass
E7134GVIAL	APOBEC Reaction Buffer	10096120	Pass
E7133GVIAL	APOBEC	10096119	Pass
E7132GVIAL	Stop Reagent	10096118	Pass
E7131GVIAL	Fe (II) Solution	10096117	Pass
E7130GVIAL	TET2	10096116	Pass
E7129GVIAL	Oxidation Enhancer	10096115	Pass
E7128GVIAL	Oxidation Supplement	10096114	Pass
E7127AVIAL	TET2 Reaction Buffer Supplement	10096112	Pass
E7126GVIAL	TET2 Reaction Buffer	10096110	Pass
E7124GVIAL	Elution Buffer	10096108	Pass
E7123GVIAL	Control DNA unmethylated Lambda	10096106	Pass
E7122GVIAL	Control DNA CpG methylated pUC19	10096104	Pass

Assay Name/Specification	Lot # 10096098
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	Pass

Assay Name/Specification	Lot # 10096098
Standard Quality Control Tests are performed for each component included in NEBNext [®] Enzymatic Methyl-seq Conversion Module and meet the designated specifications.	

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

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit www.neb.com/trademarks for additional information.



Christine Sumner
Production Scientist
19 May 2021



Michael Tonello
Packaging Quality Control Inspector
27 Sep 2021