

New England Biolabs Certificate of Analysis

Product Name: NEBNext® Enzymatic Methyl-seq Conversion Module
Catalog Number: E7125G
Packaging Lot Number: 10247352
Expiration Date: 07/2025
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	10247388	Pass
E7135GVIAL	BSA	10247385	Pass
E7134GVIAL	APOBEC Reaction Buffer	10247382	Pass
E7133GVIAL	APOBEC	10247379	Pass
E7132GVIAL	Stop Reagent	10247376	Pass
E7131GVIAL	Fe (II) Solution	10247374	Pass
E7130GVIAL	TET2	10247371	Pass
E7129GVIAL	Oxidation Enhancer	10247368	Pass
E7128GVIAL	Oxidation Supplement	10247365	Pass
E7127AVIAL	TET2 Reaction Buffer Supplement	10247363	Pass
E7126GVIAL	TET2 Reaction Buffer	10247360	Pass
E7124GVIAL	Elution Buffer	10247358	Pass
E7123GVIAL	Control DNA unmethylated Lambda	10247356	Pass
E7122GVIAL	Control DNA CpG methylated pUC19	10247354	Pass

Assay Name/Specification	Lot # 10247352
<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</p>	Pass

Assay Name/Specification	Lot # 10247352
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.

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
21 Aug 2024



Michael Tonello
Packaging Quality Control Inspector
10 Sep 2024