

New England Biolabs Certificate of Analysis

Product Name: NEBNext® Enzymatic Methyl-seq Conversion Module
 Catalog Number: E7125L
 Packaging Lot Number: 10149542
 Expiration Date: 12/2022
 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	10127111	Pass
E7135AAVIAL	BSA	10127110	Pass
E7134AAVIAL	APOBEC Reaction Buffer	10127109	Pass
E7133AAVIAL	APOBEC	10127108	Pass
E7132AAVIAL	Stop Reagent	10127107	Pass
E7131AAVIAL	Fe (II) Solution	10127105	Pass
E7130AAVIAL	TET2	10127104	Pass
E7129AAVIAL	Oxidation Enhancer	10127103	Pass
E7128AAVIAL	Oxidation Supplement	10127102	Pass
E7127AAVIAL	TET2 Reaction Buffer Supplement	10127101	Pass
E7126AAVIAL	TET2 Reaction Buffer	10127100	Pass
E7124AAVIAL	Elution Buffer	10127099	Pass
E7123AAVIAL	Control DNA unmethylated Lambda	10127098	Pass
E7122AAVIAL	Control DNA CpG methylated pUC19	10127097	Pass

Assay Name/Specification	Lot # 10149542
<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 # 10149542
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
18 Apr 2022



Michael Tonello
Packaging Quality Control Inspector
18 Apr 2022