

New England Biolabs Certificate of Analysis

Product Name: NEBNext® Enzymatic Methyl-seq Conversion Module
 Catalog Number: E7125L
 Packaging Lot Number: 10101421
 Expiration Date: 10/2021
 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	10083258	Pass
E7135AAVIAL	BSA	10083252	Pass
E7134AAVIAL	APOBEC Reaction Buffer	10083250	Pass
E7133AAVIAL	APOBEC	10083248	Pass
E7132AAVIAL	Stop Reagent	10083247	Pass
E7131AAVIAL	Fe (II) Solution	10083246	Pass
E7130AAVIAL	TET2	10083245	Pass
E7129AAVIAL	Oxidation Enhancer	10083244	Pass
E7128AAVIAL	Oxidation Supplement	10083242	Pass
E7127AAVIAL	TET2 Reaction Buffer Supplement	10083241	Pass
E7126AAVIAL	TET2 Reaction Buffer	10083240	Pass
E7124AAVIAL	Elution Buffer	10083239	Pass
E7123AAVIAL	Control DNA unmethylated Lambda	10083233	Pass
E7122AAVIAL	Control DNA CpG methylated pUC19	10083231	Pass

Assay Name/Specification	Lot # 10101421
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 # 10101421
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
23 Feb 2021

Michael Tonello
Packaging Quality Control Inspector
23 Feb 2021