

New England Biolabs Certificate of Analysis

Product Name: NEBNext® Enzymatic Methyl-seq v2 Conversion Module
Catalog Number: E8020L
Packaging Lot Number: 10267961
Expiration Date: 09/2025
Storage Temperature: -20°C
Specification Version: PS-E8020S/L/G v1.0

NEBNext® Enzymatic Methyl-seq v2 Conversion Module Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E8014AAVIAL	T4-BGT Diluent	10249521	Pass
E8013AAVIAL	TET2 Reaction Buffer Supplement	10249517	Pass
E7139AAVIAL	DTT	10249519	Pass
E7133AAVIAL	APOBEC	10249525	Pass
E7132AAVIAL	Stop Reagent	10249524	Pass
E7131AAVIAL	Fe (II) Solution	10249523	Pass
E7130AAVIAL	TET2	10249522	Pass
E7126AAVIAL	TET2 Reaction Buffer	10249516	Pass
E7124AAVIAL	Elution Buffer	10249515	Pass
E7123AAVIAL	Control DNA unmethylated Lambda	10249513	Pass
E7122AAVIAL	Control DNA CpG methylated pUC19	10249512	Pass
E3357AAVIAL	Recombinant Albumin	10249527	Pass
E3356AAVIAL	Deamination Reaction Buffer	10249526	Pass
E3354AAVIAL	T4-BGT	10249520	Pass
E3353AAVIAL	UDP-Glucose	10249518	Pass
E3351AAVIAL	NEBNext® Carrier DNA	10249514	Pass

Assay Name/Specification	Lot # 10267961
* Individual Product Component Note Standard Quality Control Tests are performed for each component included in NEBNext® Enzymatic Methyl-seq v2 Conversion Module and meet the designated specifications.	Pass
Functional Testing (EM-seq™ v2 Library Construction) Each set of reagents is functionally tested 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.	Pass

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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.	

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
22 Nov 2024



Josh Hersey
Packaging Quality Control Inspector
22 Nov 2024