

## New England Biolabs Certificate of Analysis

**Product Name:** NEBNext® Enzymatic Methyl-seq v2 Conversion Module  
**Catalog Number:** E8020S  
**Packaging Lot Number:** 10249481  
**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
E8014AVIAL	T4-BGT Diluent	10249503	Pass
E8013AVIAL	TET2 Reaction Buffer Supplement	10249495	Pass
E7139AAVIAL	DTT	10249499	Pass
E7133AVIAL	APOBEC	10249508	Pass
E7132AVIAL	Stop Reagent	10249507	Pass
E7131AVIAL	Fe (II) Solution	10249506	Pass
E7130AVIAL	TET2	10249505	Pass
E7126AVIAL	TET2 Reaction Buffer	10249493	Pass
E7124AVIAL	Elution Buffer	10249491	Pass
E7123AVIAL	Control DNA unmethylated Lambda	10249487	Pass
E7122AVIAL	Control DNA CpG methylated pUC19	10249484	Pass
E3357AVIAL	Recombinant Albumin	10249510	Pass
E3356AVIAL	Deamination Reaction Buffer	10249509	Pass
E3354AVIAL	T4-BGT	10249501	Pass
E3353AVIAL	UDP-Glucose	10249497	Pass
E3351AVIAL	NEBNext® Carrier DNA	10249489	Pass

Assay Name/Specification	Lot # 10249481
<b>* Individual Product Component Note</b> Standard Quality Control Tests are performed for each component included in NEBNext® Enzymatic Methyl-seq v2 Conversion Module and meet the designated specifications.	Pass
<b>Functional Testing (EM-seq™ v2 Library Construction)</b> 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.

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13 Nov 2024



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Packaging Quality Control Inspector  
27 Nov 2024