

New England Biolabs Certificate of Analysis

Product Name: NEBNext® Enzymatic Methyl-seq v2 Conversion Module
Catalog Number: E8020S
Packaging Lot Number: 10286700
Expiration Date: 03/2026
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	10277456	Pass
E8013AVIAL	TET2 Reaction Buffer Supplement	10277448	Pass
E7139AAVIAL	DTT	10277452	Pass
E7133AVIAL	APOBEC	10277463	Pass
E7132AVIAL	Stop Reagent	10277462	Pass
E7131AVIAL	Fe (II) Solution	10277460	Pass
E7130AVIAL	TET2	10277458	Pass
E7126AVIAL	TET2 Reaction Buffer	10277446	Pass
E7124AVIAL	Elution Buffer	10277444	Pass
E7123AVIAL	Control DNA unmethylated Lambda	10277439	Pass
E7122AVIAL	Control DNA CpG methylated pUC19	10277438	Pass
E3357AVIAL	Recombinant Albumin	10277466	Pass
E3356AVIAL	Deamination Reaction Buffer	10277464	Pass
E3354AVIAL	T4-BGT	10277454	Pass
E3353AVIAL	UDP-Glucose	10277450	Pass
E3351AVIAL	NEBNext® Carrier DNA	10277441	Pass

Assay Name/Specification	Lot # 10286700
* 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

Assay Name/Specification	Lot # 10286700
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.



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Production Scientist
07 Apr 2025



Josh Hersey
Packaging Quality Control Inspector
07 Apr 2025