

New England Biolabs Certificate of Analysis

Product Name: NEBNext® Enzymatic Methyl-seq v2 Conversion Module
Catalog Number: E8020G
Packaging Lot Number: 10267963
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
E8014GVIAL	T4-BGT Diluent	10249492	Pass
E8013AVIAL	TET2 Reaction Buffer Supplement	10249485	Pass
E7139AAVIAL	DTT	10249488	Pass
E7133GVIAL	APOBEC	10249500	Pass
E7132GVIAL	Stop Reagent	10249498	Pass
E7131GVIAL	Fe (II) Solution	10249496	Pass
E7130GVIAL	TET2	10249494	Pass
E7126GVIAL	TET2 Reaction Buffer	10249483	Pass
E7124GVIAL	Elution Buffer	10249482	Pass
E7123GVIAL	Control DNA unmethylated Lambda	10249479	Pass
E7122GVIAL	Control DNA CpG methylated pUC19	10249478	Pass
E3357GVIAL	Recombinant Albumin	10249504	Pass
E3356GVIAL	Deamination Reaction Buffer	10249502	Pass
E3354GVIAL	T4-BGT	10249490	Pass
E3353GVIAL	UDP-Glucose	10249486	Pass
E3351GVIAL	NEBNext® Carrier DNA	10249480	Pass

Assay Name/Specification	Lot # 10267963
* 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.

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Christine Sumner
Production Scientist
25 Nov 2024



Josh Hersey
Packaging Quality Control Inspector
25 Nov 2024