

New England Biolabs Certificate of Analysis

Product Name: NEBNext® Enzymatic 5hmC-seq Conversion Module
Catalog Number: E3365G
Packaging Lot Number: 10271306
Expiration Date: 02/2026
Storage Temperature: -20°C
Specification Version: PS-E3365S/L/G v1.0


NEBNext® Enzymatic 5hmC-seq Conversion Module Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E7133GVIAL	APOBEC	10271363	Pass
E7132GVIAL	Stop Reagent	10271348	Pass
E7124GVIAL	Elution Buffer	10271324	Pass
E7123GVIAL	Control DNA unmethylated Lambda	10271310	Pass
E3357GVIAL	Recombinant Albumin	10271358	Pass
E3356GVIAL	Deamination Reaction Buffer	10271353	Pass
E3354GVIAL	T4-BGT	10271342	Pass
E3353GVIAL	UDP-Glucose	10271336	Pass
E3352GVIAL	NEBNext® Glucosylation Reaction Buffer	10271330	Pass
E3351GVIAL	NEBNext® Carrier DNA	10271319	Pass
E3349GVIAL	Control DNA 5hmC T4	10271315	Pass

Assay Name/Specification	Lot # 10271306
<p>* Individual Product Component Note Standard Quality Control Tests are performed for each component included in NEBNext® Enzymatic 5hmC-seq Conversion Module and meet the designated specifications.</p>	Pass
<p>Functional Testing (E5hmC-seq™ 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 (5hmC T4 and unmethylated Lambda), that are required for assessment of 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 5hmC detected for CpG, CHG, CHH contexts within the genomic DNA and internal controls.</p>	Pass

This product has been tested and shown to be in compliance with all specifications.



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Christine Sumner
Production Scientist
21 Mar 2025



Josh Hersey
Packaging Quality Control Inspector
16 Apr 2025