

New England Biolabs Certificate of Analysis

Product Name: NEBNext® Enzymatic 5hmC-seq Conversion Module
Catalog Number: E3365L
Packaging Lot Number: 10271326
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
E7133AAVIAL	APOBEC	10271377	Pass
E7132AAVIAL	Stop Reagent	10271371	Pass
E7124AAVIAL	Elution Buffer	10271354	Pass
E7123AAVIAL	Control DNA unmethylated Lambda	10271335	Pass
E3357AAVIAL	Recombinant Albumin	10271376	Pass
E3356AAVIAL	Deamination Reaction Buffer	10271374	Pass
E3354AAVIAL	T4-BGT	10271368	Pass
E3353AAVIAL	UDP-Glucose	10271364	Pass
E3352AAVIAL	NEBNext® Glucosylation Reaction Buffer	10271359	Pass
E3351AAVIAL	NEBNext® Carrier DNA	10271347	Pass
E3349AAVIAL	Control DNA 5hmC T4	10271341	Pass

Assay Name/Specification	Lot # 10271326
<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.

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
21 Mar 2025



Michael Tonello
Packaging Quality Control Inspector
26 Mar 2025