

## New England Biolabs Certificate of Analysis

**Product Name:** NEBNext® Enzymatic 5hmC-seq Conversion Module  
**Catalog Number:** E3365S  
**Packaging Lot Number:** 10271314  
**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
E7133AVIAL	APOBEC	10271373	Pass
E7132AVIAL	Stop Reagent	10271362	Pass
E7124AVIAL	Elution Buffer	10271338	Pass
E7123AVIAL	Control DNA unmethylated Lambda	10271321	Pass
E3357AVIAL	Recombinant Albumin	10271370	Pass
E3356AVIAL	Deamination Reaction Buffer	10271367	Pass
E3354AVIAL	T4-BGT	10271357	Pass
E3353AVIAL	UDP-Glucose	10271351	Pass
E3352AVIAL	NEBNext® Glucosylation Reaction Buffer	10271345	Pass
E3351AVIAL	NEBNext® Carrier DNA	10271332	Pass
E3349AVIAL	Control DNA 5hmC T4	10271327	Pass

Assay Name/Specification	Lot # 10271314
<p><b>* Individual Product Component Note</b> Standard Quality Control Tests are performed for each component included in NEBNext® Enzymatic 5hmC-seq Conversion Module and meet the designated specifications.</p>	<b>Pass</b>
<p><b>Functional Testing (E5hmC-seq™ Library Construction)</b> 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>	<b>Pass</b>

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](http://www.neb.com/trademarks) for additional information.



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21 Mar 2025



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26 Mar 2025