

## New England Biolabs Certificate of Analysis

**Product Name:** NEBNext® Enzymatic 5hmC-seq Conversion Module  
**Catalog Number:** E3365G  
**Packaging Lot Number:** 10246995  
**Expiration Date:** 07/2025  
**Storage Temperature:** -20°C  
**Specification Version:** PS-E3365S/L/G v1.0

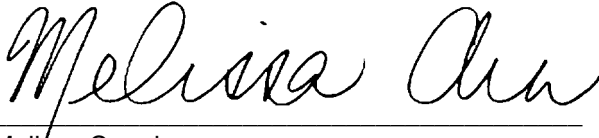
NEBNext® Enzymatic 5hmC-seq Conversion Module Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E7133GVIAL	APOBEC	10247037	Pass
E7132GVIAL	Stop Reagent	10247027	Pass
E7124GVIAL	Elution Buffer	10247012	Pass
E7123GVIAL	Control DNA unmethylated Lambda	10247000	Pass
E3357GVIAL	Recombinant Albumin	10247033	Pass
E3356GVIAL	Deamination Reaction Buffer	10247028	Pass
E3354GVIAL	T4-BGT	10247024	Pass
E3353GVIAL	UDP-Glucose	10247020	Pass
E3352GVIAL	NEBNext® Glucosylation Reaction Buffer	10247018	Pass
E3351GVIAL	NEBNext® Carrier DNA	10247008	Pass
E3349GVIAL	Control DNA 5hmC T4	10247004	Pass

Assay Name/Specification	Lot # 10246995
<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.



---

Melissa Cormier  
Production Scientist  
20 Sep 2024



---

Michael Tonello  
Packaging Quality Control Inspector  
20 Sep 2024