

New England Biolabs Certificate of Analysis

Product Name: NEBNext[®] Enzymatic 5hmC-seq Conversion Module
 Catalog Number: E3365L
 Packaging Lot Number: 10222040
 Expiration Date: 12/2024
 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	10222058	Pass
E7132AAVIAL	Stop Reagent	10222055	Pass
E7124AAVIAL	Elution Buffer	10222050	Pass
E7123AAVIAL	Control DNA unmethylated Lambda	10222044	Pass
E3357AAVIAL	Recombinant Albumin	10222057	Pass
E3356AAVIAL	Deamination Reaction Buffer	10222056	Pass
E3353AAVIAL	UDP-Glucose	10222053	Pass
E3352AAVIAL	NEBNext [®] Glucosylation Reaction Buffer	10222052	Pass
E3351AAVIAL	NEBNext [®] Carrier DNA	10222048	Pass
E3349AAVIAL	Control DNA 5hmC T4	10222046	Pass

Assay Name/Specification	Lot # 10222040
<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
02 Feb 2024



Michael Tonello
Packaging Quality Control Inspector
08 Feb 2024