

New England Biolabs Certificate of Analysis

Product Name: NEBNext® Enzymatic 5hmC-seq Conversion Module
Catalog Number: E3365L
Packaging Lot Number: 10247031
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 |
| E7133AAVIAL | APOBEC | 10247061 | Pass |
| E7132AAVIAL | Stop Reagent | 10247057 | Pass |
| E7124AAVIAL | Elution Buffer | 10247048 | Pass |
| E7123AAVIAL | Control DNA unmethylated Lambda | 10247038 | Pass |
| E3357AAVIAL | Recombinant Albumin | 10247060 | Pass |
| E3356AAVIAL | Deamination Reaction Buffer | 10247059 | Pass |
| E3354AAVIAL | T4-BGT | 10247055 | Pass |
| E3353AAVIAL | UDP-Glucose | 10247053 | Pass |
| E3352AAVIAL | NEBNext® Glucosylation Reaction Buffer | 10247051 | Pass |
| E3351AAVIAL | NEBNext® Carrier DNA | 10247045 | Pass |
| E3349AAVIAL | Control DNA 5hmC T4 | 10247042 | Pass |

| Assay Name/Specification | Lot # 10247031 |
|--|----------------|
| <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.



Melissa Cormier
Production Scientist
17 Sep 2024



Michael Tonello
Packaging Quality Control Inspector
20 Sep 2024