

New England Biolabs Certificate of Analysis

Product Name: NEBNext® Enzymatic Methyl-seq Conversion Module
Catalog Number: E7125G
Packaging Lot Number: 10201621
Expiration Date: 08/2024
Storage Temperature: -20°C
Specification Version: PS-E7125S/L/G v2.0

| NEBNext® Enzymatic Methyl-seq Conversion Module Component List | | | |
|--|----------------------------------|------------|----------------------|
| NEB Part Number | Component Description | Lot Number | Individual QC Result |
| E7139AAVIAL | DTT | 10201685 | Pass |
| E7135GVIAL | BSA | 10201681 | Pass |
| E7134GVIAL | APOBEC Reaction Buffer | 10201678 | Pass |
| E7133GVIAL | APOBEC | 10201674 | Pass |
| E7132GVIAL | Stop Reagent | 10201671 | Pass |
| E7131GVIAL | Fe (II) Solution | 10201667 | Pass |
| E7130GVIAL | TET2 | 10201663 | Pass |
| E7129GVIAL | Oxidation Enhancer | 10201659 | Pass |
| E7128GVIAL | Oxidation Supplement | 10201655 | Pass |
| E7127AVIAL | TET2 Reaction Buffer Supplement | 10201652 | Pass |
| E7126GVIAL | TET2 Reaction Buffer | 10201647 | Pass |
| E7124GVIAL | Elution Buffer | 10201642 | Pass |
| E7123GVIAL | Control DNA unmethylated Lambda | 10201637 | Pass |
| E7122GVIAL | Control DNA CpG methylated pUC19 | 10201632 | Pass |

| Assay Name/Specification | Lot # 10201621 |
|---|----------------|
| <p>* Individual Product Component Note Standard Quality Control Tests are performed for each component included in NEBNext® Enzymatic Methyl-seq Conversion Module and meet the designated specifications.</p> | Pass |
| <p>Functional Testing (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 (CpG methylated pUC19 and unmethylated Lambda), that are required for assessment of 5mC and 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</p> | Pass |

| Assay Name/Specification | Lot # 10201621 |
|--|----------------|
| 5mC/5hmC detected for CpG, CHG, CHH contexts within the genomic DNA and internal controls. | |

This product has been tested and shown to be in compliance with all specifications.

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Christine Sumner
Production Scientist
15 Sep 2023



Josh Hersey
Packaging Quality Control Inspector
08 Mar 2024