

## New England Biolabs Certificate of Analysis

**Product Name:** NEBNext® Enzymatic Methyl-seq Conversion Module  
**Catalog Number:** E7125L  
**Packaging Lot Number:** 10182012  
**Expiration Date:** 01/2024  
**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	10172403	Pass
E7135AAVIAL	BSA	10172401	Pass
E7134AAVIAL	APOBEC Reaction Buffer	10172399	Pass
E7133AAVIAL	APOBEC	10172398	Pass
E7132AAVIAL	Stop Reagent	10172396	Pass
E7131AAVIAL	Fe (II) Solution	10172395	Pass
E7130AAVIAL	TET2	10172394	Pass
E7129AAVIAL	Oxidation Enhancer	10172393	Pass
E7128AAVIAL	Oxidation Supplement	10172391	Pass
E7127AAVIAL	TET2 Reaction Buffer Supplement	10172390	Pass
E7126AAVIAL	TET2 Reaction Buffer	10172388	Pass
E7124AAVIAL	Elution Buffer	10172386	Pass
E7123AAVIAL	Control DNA unmethylated Lambda	10172384	Pass
E7122AAVIAL	Control DNA CpG methylated pUC19	10172382	Pass

Assay Name/Specification	Lot # 10182012
<p><b>* Individual Product Component Note</b> Standard Quality Control Tests are performed for each component included in NEBNext® Enzymatic Methyl-seq Conversion Module and meet the designated specifications.</p>	<b>Pass</b>
<p><b>Functional Testing (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 (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>	<b>Pass</b>

Assay Name/Specification	Lot # 10182012
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.

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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Christine Sumner  
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27 Feb 2023



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Michael Tonello  
Packaging Quality Control Inspector  
27 Feb 2023