

## New England Biolabs Certificate of Analysis

Product Name: NEBNext<sup>®</sup> ChIP-Seq Library Prep Master Mix Set for Illumina<sup>®</sup>  
 Catalog Number: E6240L  
 Lot Number: 10038649  
 Expiration Date: 01/2020  
 Storage Temperature: -20°C  
 Specification Version: PS-E6240S/L v1.0

NEBNext <sup>®</sup> ChIP-Seq Library Prep Master Mix Set for Illumina <sup>®</sup> Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E6630AAVIAL	NEBNext <sup>®</sup> Q5 <sup>®</sup> Hot Start HiFi PCR Master Mix	10022105	Pass
E6243AAVIAL	NEBNext <sup>®</sup> Quick Ligation <sup>™</sup> Reaction Buffer	10022100	Pass
E6242AAVIAL	NEBNext <sup>®</sup> End Repair Reaction Buffer	10022104	Pass
E6241AAVIAL	NEBNext <sup>®</sup> End Repair Enzyme Mix	10022098	Pass
E6209AAVIAL	Quick T4 DNA Ligase	10022099	Pass
E6207AAVIAL	Klenow Fragment (3'-5' exo-)	10022102	Pass
E6045AAVIAL	NEBNext <sup>®</sup> dA-Tailing Reaction Buffer	10022103	Pass

Assay Name/Specification	Lot # 10038649
<p><b>Functional Testing (Library Construction, ChIP DNA)</b>            Each set of reagents is functionally validated and compared to a previous lot through construction of libraries made from ChIP and genomic DNA, using the kit's input requirements. Libraries made from previous and current lots are sequenced together on the same Illumina<sup>®</sup> flow cell and compared across various metrics including library yield, fraction of reads aligning to the reference, GC bias, and insert size.</p>	Pass
<p><b>* Individual Product Component Note</b>            Standard Quality Control Tests are performed for each component included in NEBNext<sup>®</sup> ChIP-Seq Library Prep Master Mix Set for Illumina<sup>®</sup> and meet the designated specifications.</p>	Pass

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

*Christine Sumner*

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Christine Sumner  
Production Scientist  
19 Mar 2019

*Josh Hersey*

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Josh Hersey  
Packaging Quality Control Inspector  
19 Mar 2019