

New England Biolabs Certificate of Analysis

Product Name: NEBNext® DNA Library Prep Master Mix Set for Illumina®
 Catalog Number: E6040S
 Lot Number: 10013246
 Expiration Date: 05/2019
 Storage Temperature: -20°C
 Specification Version: PS-E6040S/L v1.0

NEBNext® DNA Library Prep Master Mix Set for Illumina® Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E6630AVIAL	NEBNext® Q5® Hot Start HiFi PCR Master Mix	0081711	Pass
E6048AVIAL	Quick Ligation™ Reaction Buffer, 5X	0211711	Pass
E6047AVIAL	Quick T4 DNA Ligase	1231711	Pass
E6045AVIAL	NEBNext® dA-Tailing Reaction Buffer	0141711	Pass
E6044AVIAL	Klenow Fragment (3'-5' exo-)	0351711	Pass
E6042AVIAL	NEBNext® End Repair Reaction Buffer	0221711	Pass
E6041AVIAL	NEBNext® End Repair Enzyme Mix	0151711	Pass

Assay Name/Specification	Lot # 10013246
<p>* Individual Product Component Note Standard Quality Control Tests are performed for each component included in NEBNext® DNA Library Prep Master Mix Set for Illumina® and meet the designated specifications.</p>	Pass
<p>Functional Testing (Library Construction, DNA) Each set of reagents is functionally validated and compared to a previous lot through construction of libraries made from commercially available genomic DNA, using the kit's minimum and maximum input requirements. Libraries made from previous and current lots for both input DNA amounts are sequenced together on the same Illumina flow cell and compared across various metrics including library yield, fraction of reads aligning to the reference, GC bias, and insert size.</p>	Pass

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

Christine Sumner

Christine Sumner
Production Scientist
19 Jun 2018

Michael Tonello

Michael Tonello
Packaging Quality Control Inspector
25 Jun 2018