

## New England Biolabs Certificate of Analysis

**Product Name:** NEBNext<sup>®</sup> Multiplex Oligos for Illumina<sup>®</sup> (96 Unique Dual Index Primer Pairs Set 5)  
**Catalog Number:** E6448L  
**Packaging Lot Number:** 10224163  
**Expiration Date:** 11/2025  
**Storage Temperature:** -20°C  
**Specification Version:** PS-E6448S/L v1.0

| NEBNext <sup>®</sup> Multiplex Oligos for Illumina <sup>®</sup> (96 Unique Dual Index Primer Pairs Set 5) Component List |  |            |                      |
|--|--|------------|----------------------|
| NEB Part Number  | Component Description                                  | Lot Number | Individual QC Result |
| E6612AVIAL   | NEBNext <sup>®</sup> Adaptor for Illumina <sup>®</sup> | 10213061   | Pass                 |
| E6610AAVIAL  | USER Enzyme  | 10213062   | Pass                 |
| E6449AVIAL   | NEBNext <sup>®</sup> Unique Dual Index Primer Set 5    | 10213063   | Pass                 |

| Assay Name/Specification   | Lot # 10224163 |
|--|----------------|
| <p><b>* Individual Product Component Note</b><br/>           Standard Quality Control Tests are performed for each component included in NEBNext<sup>®</sup> Multiplex Oligos for Illumina<sup>®</sup> (96 Unique Dual Index Primer Pairs Set 5) and meet the designated specifications.</p>   | Pass           |
| <p><b>Functional Testing (Library Construction, Oligo)</b><br/>           Each of the components are functionally validated through construction of libraries made from commercially available genomic DNA. Libraries are made from each unique barcoded oligonucleotide and 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           |

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.

*Christine Sumner*

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Christine Sumner  
Production Scientist  
18 Dec 2023

*Michael Tonello*

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Michael Tonello  
Packaging Quality Control Inspector  
19 Dec 2023