

## New England Biolabs Certificate of Analysis

**Product Name:** NEBNext<sup>®</sup> Multiplex Oligos for Illumina<sup>®</sup> (Index Primers Set 2)  
**Catalog Number:** E7500L  
**Packaging Lot Number:** 10171858  
**Expiration Date:** 03/2024  
**Storage Temperature:** -20°C  
**Specification Version:** PS-E7500S/L v1.0

| NEBNext <sup>®</sup> Multiplex Oligos for Illumina <sup>®</sup> (Index Primers Set 2) Component List |                                                                     |            |                      |
|------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|------------|----------------------|
| NEB Part Number                                                                                      | Component Description                                               | Lot Number | Individual QC Result |
| E7511AAVIAL                                                                                          | NEBNext <sup>®</sup> Index 16 Primer for Illumina <sup>®</sup>      | 10136518   | Pass                 |
| E7338AAVIAL                                                                                          | USER <sup>®</sup> Enzyme                                            | 10136504   | Pass                 |
| E7337AAVIAL                                                                                          | NEBNext <sup>®</sup> Adaptor for Illumina <sup>®</sup>              | 10136503   | Pass                 |
| E6873AAVIAL                                                                                          | NEBNext <sup>®</sup> Index 27 Primer for Illumina <sup>®</sup>      | 10136517   | Pass                 |
| E6872AAVIAL                                                                                          | NEBNext <sup>®</sup> Index 25 Primer for Illumina <sup>®</sup>      | 10136516   | Pass                 |
| E6871AAVIAL                                                                                          | NEBNext <sup>®</sup> Index 23 Primer for Illumina <sup>®</sup>      | 10136514   | Pass                 |
| E6870AAVIAL                                                                                          | NEBNext <sup>®</sup> Index 22 Primer for Illumina <sup>®</sup>      | 10136513   | Pass                 |
| E6869AAVIAL                                                                                          | NEBNext <sup>®</sup> Index 21 Primer for Illumina <sup>®</sup>      | 10136512   | Pass                 |
| E6868AAVIAL                                                                                          | NEBNext <sup>®</sup> Index 20 Primer for Illumina <sup>®</sup>      | 10136511   | Pass                 |
| E6867AAVIAL                                                                                          | NEBNext <sup>®</sup> Index 19 Primer for Illumina <sup>®</sup>      | 10136510   | Pass                 |
| E6866AAVIAL                                                                                          | NEBNext <sup>®</sup> Index 18 Primer for Illumina <sup>®</sup>      | 10136509   | Pass                 |
| E6864AAVIAL                                                                                          | NEBNext <sup>®</sup> Index 15 Primer for Illumina <sup>®</sup>      | 10136508   | Pass                 |
| E6863AAVIAL                                                                                          | NEBNext <sup>®</sup> Index 14 Primer for Illumina <sup>®</sup>      | 10136507   | Pass                 |
| E6862AAVIAL                                                                                          | NEBNext <sup>®</sup> Index 13 Primer for Illumina <sup>®</sup>      | 10136506   | Pass                 |
| E6861AAVIAL                                                                                          | NEBNext <sup>®</sup> Universal PCR Primer for Illumina <sup>®</sup> | 10136505   | Pass                 |

| Assay Name/Specification                                                                                                                                                                                                                                                                                                                                                                                            | Lot # 10171858 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <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> (Index Primers Set 2) and meet the designated specifications.</p>                                                                                                                                                       | Pass           |
| <p><b>Functional Testing (Library Construction, Oligo)</b><br/>Each set of reagents is 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</p> | Pass           |

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|------------------------------------------------------|----------------|
| aligning to the reference, GC bias, and insert size. |                |

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  
Production Scientist  
22 Nov 2022




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Michael Tonello  
Packaging Quality Control Inspector  
22 Nov 2022