

## New England Biolabs Certificate of Analysis

**Product Name:** NEBNext<sup>®</sup> Multiplex Oligos for Illumina<sup>®</sup> (Index Primers Set 4)  
**Catalog Number:** E7730L  
**Packaging Lot Number:** 10165115  
**Expiration Date:** 02/2024  
**Storage Temperature:** -20°C  
**Specification Version:** PS-E7730S/L v1.0

| NEBNext <sup>®</sup> Multiplex Oligos for Illumina <sup>®</sup> (Index Primers Set 4) Component List |   |            |                      |
|--|---|------------|----------------------|
| NEB Part Number  | Component Description   | Lot Number | Individual QC Result |
| E7744AAVIAL  | NEBNext <sup>®</sup> Index 40 Primer for Illumina <sup>®</sup>      | 10136576   | Pass                 |
| E7742AAVIAL  | NEBNext <sup>®</sup> Index 48 Primer for Illumina <sup>®</sup>      | 10136584   | Pass                 |
| E7741AAVIAL  | NEBNext <sup>®</sup> Index 47 Primer for Illumina <sup>®</sup>      | 10136583   | Pass                 |
| E7740AAVIAL  | NEBNext <sup>®</sup> Index 46 Primer for Illumina <sup>®</sup>      | 10136582   | Pass                 |
| E7739AAVIAL  | NEBNext <sup>®</sup> Index 45 Primer for Illumina <sup>®</sup>      | 10136581   | Pass                 |
| E7738AAVIAL  | NEBNext <sup>®</sup> Index 44 Primer for Illumina <sup>®</sup>      | 10136580   | Pass                 |
| E7737AAVIAL  | NEBNext <sup>®</sup> Index 43 Primer for Illumina <sup>®</sup>      | 10136578   | Pass                 |
| E7735AAVIAL  | NEBNext <sup>®</sup> Index 41 Primer for Illumina <sup>®</sup>      | 10136577   | Pass                 |
| E7733AAVIAL  | NEBNext <sup>®</sup> Index 39 Primer for Illumina <sup>®</sup>      | 10136575   | Pass                 |
| E7732AAVIAL  | NEBNext <sup>®</sup> Index 38 Primer for Illumina <sup>®</sup>      | 10136574   | Pass                 |
| E7731AAVIAL  | NEBNext <sup>®</sup> Index 37 Primer for Illumina <sup>®</sup>      | 10136573   | Pass                 |
| E7716AAVIAL  | NEBNext <sup>®</sup> Index 30 Primer for Illumina <sup>®</sup>      | 10136572   | Pass                 |
| E7338AAVIAL  | USER <sup>®</sup> Enzyme  | 10136569   | Pass                 |
| E7337AAVIAL  | NEBNext <sup>®</sup> Adaptor for Illumina <sup>®</sup>              | 10136570   | Pass                 |
| E6861AAVIAL  | NEBNext <sup>®</sup> Universal PCR Primer for Illumina <sup>®</sup> | 10136571   | Pass                 |

| Assay Name/Specification   | Lot # 10165115 |
|--|----------------|
| <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 flow cell and compared across various metrics including library yield, fraction of reads aligning to the reference, GC bias, and insert size. | Pass           |
| <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 4) and meet the designated  | Pass           |

| Assay Name/Specification | Lot # 10165115 |
|--------------------------|----------------|
| specifications.          |                |

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  
Production Scientist  
15 Sep 2022



---

Michael Tonello  
Packaging Quality Control Inspector  
15 Sep 2022