

## New England Biolabs Certificate of Analysis

**Product Name:** NEBNext<sup>®</sup> Multiplex Small RNA Library Prep Kit for Illumina<sup>®</sup> (Index Primers 1-48)  
**Catalog Number:** E7560S  
**Packaging Lot Number:** 10193959  
**Expiration Date:** 01/2025  
**Storage Temperature:** -20°C  
**Specification Version:** PS-E7560S v1.0

| NEBNext <sup>®</sup> Multiplex Small RNA Library Prep Kit for Illumina <sup>®</sup> (Index Primers 1-48) Component List |  |            |                      |
|---|--|------------|----------------------|
| NEB Part Number   | Component Description  | Lot Number | Individual QC Result |
| E7742AVIAL  | NEBNext <sup>®</sup> Index 48 Primer for Illumina <sup>®</sup> | 10194130   | Pass                 |
| E7741AVIAL  | NEBNext <sup>®</sup> Index 47 Primer for Illumina <sup>®</sup> | 10194129   | Pass                 |
| E7740AVIAL  | NEBNext <sup>®</sup> Index 46 Primer for Illumina <sup>®</sup> | 10194128   | Pass                 |
| E7739AVIAL  | NEBNext <sup>®</sup> Index 45 Primer for Illumina <sup>®</sup> | 10194126   | Pass                 |
| E7738AVIAL  | NEBNext <sup>®</sup> Index 44 Primer for Illumina <sup>®</sup> | 10194124   | Pass                 |
| E7737AVIAL  | NEBNext <sup>®</sup> Index 43 Primer for Illumina <sup>®</sup> | 10194122   | Pass                 |
| E7736AVIAL  | NEBNext <sup>®</sup> Index 42 Primer for Illumina <sup>®</sup> | 10194120   | Pass                 |
| E7735AVIAL  | NEBNext <sup>®</sup> Index 41 Primer for Illumina <sup>®</sup> | 10194117   | Pass                 |
| E7734AVIAL  | NEBNext <sup>®</sup> Index 40 Primer for Illumina <sup>®</sup> | 10194114   | Pass                 |
| E7733AVIAL  | NEBNext <sup>®</sup> Index 39 Primer for Illumina <sup>®</sup> | 10194111   | Pass                 |
| E7732AVIAL  | NEBNext <sup>®</sup> Index 38 Primer for Illumina <sup>®</sup> | 10194108   | Pass                 |
| E7731AVIAL  | NEBNext <sup>®</sup> Index 37 Primer for Illumina <sup>®</sup> | 10194105   | Pass                 |
| E7722AVIAL  | NEBNext <sup>®</sup> Index 36 Primer for Illumina <sup>®</sup> | 10194102   | Pass                 |
| E7721AVIAL  | NEBNext <sup>®</sup> Index 35 Primer for Illumina <sup>®</sup> | 10194099   | Pass                 |
| E7720AVIAL  | NEBNext <sup>®</sup> Index 34 Primer for Illumina <sup>®</sup> | 10194096   | Pass                 |
| E7719AVIAL  | NEBNext <sup>®</sup> Index 33 Primer for Illumina <sup>®</sup> | 10194093   | Pass                 |
| E7718AVIAL  | NEBNext <sup>®</sup> Index 32 Primer for Illumina <sup>®</sup> | 10194090   | Pass                 |
| E7717AVIAL  | NEBNext <sup>®</sup> Index 31 Primer for Illumina <sup>®</sup> | 10194087   | Pass                 |
| E7716AVIAL  | NEBNext <sup>®</sup> Index 30 Primer for Illumina <sup>®</sup> | 10194084   | Pass                 |
| E7715AVIAL  | NEBNext <sup>®</sup> Index 29 Primer for Illumina <sup>®</sup> | 10194081   | Pass                 |
| E7714AVIAL  | NEBNext <sup>®</sup> Index 28 Primer for Illumina <sup>®</sup> | 10194078   | Pass                 |
| E7713AVIAL  | NEBNext <sup>®</sup> Index 26 Primer for Illumina <sup>®</sup> | 10194075   | Pass                 |
| E7592AVIAL  | NEBNext <sup>®</sup> Index 24 Primer for Illumina <sup>®</sup> | 10194133   | Pass                 |
| E7591AVIAL  | NEBNext <sup>®</sup> Index 23 Primer for Illumina <sup>®</sup> | 10194141   | Pass                 |
| E7590AVIAL  | NEBNext <sup>®</sup> Index 22 Primer for Illumina <sup>®</sup> | 10194140   | Pass                 |
| E7589AVIAL  | NEBNext <sup>®</sup> Index 21 Primer for Illumina <sup>®</sup> | 10194139   | Pass                 |

| <b>NEBNext® Multiplex Small RNA Library Prep Kit for Illumina® (Index Primers 1-48) Component List</b> |   |                   |                             |
|--|---|-------------------|-----------------------------|
| <b>NEB Part Number</b>   | <b>Component Description</b>                    | <b>Lot Number</b> | <b>Individual QC Result</b> |
| E7588AVIAL   | NEBNext® Index 20 Primer for Illumina®          | 10194138          | Pass                        |
| E7587AVIAL   | NEBNext® Index 19 Primer for Illumina®          | 10194137          | Pass                        |
| E7586AVIAL   | NEBNext® Index 18 Primer for Illumina®          | 10194142          | Pass                        |
| E7585AVIAL   | NEBNext® Index 17 Primer for Illumina®          | 10194132          | Pass                        |
| E7584AVIAL   | NEBNext® Index 16 Primer for Illumina®          | 10194131          | Pass                        |
| E7583AVIAL   | NEBNext® Index 15 Primer for Illumina®          | 10194136          | Pass                        |
| E7582AVIAL   | NEBNext® Index 14 Primer for Illumina®          | 10194135          | Pass                        |
| E7581AVIAL   | NEBNext® Index 13 Primer for Illumina®          | 10194134          | Pass                        |
| E7562AVIAL   | NEBNext® Index 27 Primer for Illumina®          | 10194032          | Pass                        |
| E7561AVIAL   | NEBNext® Index 25 Primer for Illumina®          | 10229331          | Pass                        |
| E7355AAVIAL  | ProtoScript® II Reverse Transcriptase           | 10194072          | Pass                        |
| E7334AAVIAL  | NEBNext® First Strand Synthesis Reaction Buffer | 10194070          | Pass                        |
| E7333AAVIAL  | NEBNext® SR RT Primer for Illumina®             | 10194067          | Pass                        |
| E7332AAVIAL  | NEBNext® 3' SR Adaptor for Illumina®            | 10194064          | Pass                        |
| E7328AVIAL   | NEBNext® 5' SR Adaptor for Illumina®            | 10194061          | Pass                        |
| E7327AAVIAL  | Nuclease-free Water                             | 10194058          | Pass                        |
| E7326AAVIAL  | TE Buffer                                       | 10194055          | Pass                        |
| E7325AAVIAL  | Linear Acrylamide                               | 10194052          | Pass                        |
| E7324AAVIAL  | DNA Gel Elution Buffer                          | 10194049          | Pass                        |
| E7323AAVIAL  | Quick-Load® pBR322 DNA-MspI Digest              | 10194143          | Pass                        |
| E7322AVIAL   | NEBNext® Index 12 Primer for Illumina®          | 10194023          | Pass                        |
| E7321AVIAL   | NEBNext® Index 11 Primer for Illumina®          | 10194020          | Pass                        |
| E7320AVIAL   | NEBNext® Index 10 Primer for Illumina®          | 10194017          | Pass                        |
| E7319AVIAL   | NEBNext® Index 9 Primer for Illumina®           | 10194013          | Pass                        |
| E7318AVIAL   | NEBNext® Index 8 Primer for Illumina®           | 10194008          | Pass                        |
| E7317AVIAL   | NEBNext® Index 7 Primer for Illumina®           | 10194003          | Pass                        |
| E7316AVIAL   | NEBNext® Index 6 Primer for Illumina®           | 10194027          | Pass                        |
| E7315AVIAL   | NEBNext® Index 5 Primer for Illumina®           | 10193998          | Pass                        |
| E7314AVIAL   | NEBNext® Index 4 Primer for Illumina®           | 10193993          | Pass                        |
| E7313AVIAL   | NEBNext® Index 3 Primer for Illumina®           | 10193988          | Pass                        |
| E7312AVIAL   | NEBNext® Index 2 Primer for Illumina®           | 10193983          | Pass                        |
| E7311AVIAL   | NEBNext® Index 1 Primer for Illumina®           | 10193978          | Pass                        |
| E7310AAVIAL  | NEBNext® SR Primer for Illumina®                | 10194046          | Pass                        |
| E7309AAVIAL  | LongAmp® Taq 2X Master Mix                      | 10194043          | Pass                        |
| E7308AAVIAL  | Murine RNase Inhibitor                          | 10194041          | Pass                        |
| E7305AAVIAL  | NEBNext® 5' Ligation Enzyme Mix                 | 10194039          | Pass                        |

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|---|--------------------------------------|------------|----------------------|
| NEB Part Number   | Component Description                | Lot Number | Individual QC Result |
| E7304AAVIAL   | NEBNext® 5' Ligation Reaction Buffer | 10194036   | Pass                 |
| E7301AAVIAL   | NEBNext® 3' Ligation Reaction Buffer | 10194034   | Pass                 |
| E7288AAVIAL   | NEBNext® 3' Ligation Enzyme Mix      | 10193973   | Pass                 |
| E6138AAVIAL   | Gel Loading Dye, Blue, 6X            | 10193968   | Pass                 |

| Assay Name/Specification  | Lot # 10193959          |
|---|-------------------------|
| <p><b>* Individual Product Component Note</b><br/>Standard Quality Control Tests are performed for each component included in NEBNext® Multiplex Small RNA Library Prep Kit for Illumina® (Index Primers 1-48) and meet the designated specifications.</p> <p><b>Functional Testing (Library Construction, Small RNA)</b><br/>Each of the components is functionally validated and compared to the previous lot through construction of libraries made from commercially available human brain RNA using the kit's minimum and maximum input requirements. Libraries made from previous and current lots are sequenced on the same Illumina® flow cell and compared across various metrics including library yield and number of miRNAs identified.</p> | <p>Pass</p> <p>Pass</p> |

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  
01 Feb 2024



Michael Tonello  
Packaging Quality Control Inspector  
02 Feb 2024