

## New England Biolabs Certificate of Analysis

Product Name: NEBNext® Multi Small RNA Lib Prep IL Set2  
 Catalog Number: E7580S  
 Packaging Lot Number: 10066132  
 Expiration Date: 08/2021  
 Storage Temperature: -20°C  
 Specification Version: PS-E7580S/L v1.0

| NEBNext® Multi Small RNA Lib Prep IL Set2 Component List |   |            |                      |
|--|---|------------|----------------------|
| NEB Part Number  | Component Description                           | Lot Number | Individual QC Result |
| E7592AVIAL   | NEBNext® Index 24 Primer for Illumina®          | 10066207   | Pass                 |
| E7591AVIAL   | NEBNext® Index 23 Primer for Illumina®          | 10066204   | Pass                 |
| E7590AVIAL   | NEBNext® Index 22 Primer for Illumina®          | 10066201   | Pass                 |
| E7589AVIAL   | NEBNext® Index 21 Primer for Illumina®          | 10066199   | Pass                 |
| E7588AVIAL   | NEBNext® Index 20 Primer for Illumina®          | 10066196   | Pass                 |
| E7587AVIAL   | NEBNext® Index 19 Primer for Illumina®          | 10066193   | Pass                 |
| E7586AVIAL   | NEBNext® Index 18 Primer for Illumina®          | 10066190   | Pass                 |
| E7585AVIAL   | NEBNext® Index 17 Primer for Illumina®          | 10066187   | Pass                 |
| E7584AVIAL   | NEBNext® Index 16 Primer for Illumina®          | 10066184   | Pass                 |
| E7583AVIAL   | NEBNext® Index 15 Primer for Illumina®          | 10066181   | Pass                 |
| E7582AVIAL   | NEBNext® Index 14 Primer for Illumina®          | 10066178   | Pass                 |
| E7581AVIAL   | NEBNext® Index 13 Primer for Illumina®          | 10066175   | Pass                 |
| E7355AVIAL   | ProtoScript® II Reverse Transcriptase           | 10066152   | Pass                 |
| E7334AVIAL   | NEBNext® First Strand Synthesis Reaction Buffer | 10066150   | Pass                 |
| E7333AVIAL   | NEBNext® SR RT Primer for Illumina®             | 10066148   | Pass                 |
| E7332AVIAL   | NEBNext® 3' SR Adaptor for Illumina®            | 10066140   | Pass                 |
| E7328AVIAL   | NEBNext® 5' SR Adaptor for Illumina®            | 10066142   | Pass                 |
| E7327AVIAL   | Nuclease-free Water                             | 10066173   | Pass                 |
| E7326AVIAL   | TE Buffer                                       | 10066170   | Pass                 |
| E7325AVIAL   | Linear Acrylamide                               | 10066167   | Pass                 |
| E7324AVIAL   | DNA Gel Elution Buffer                          | 10066165   | Pass                 |
| E7323AVIAL   | Quick-Load® pBR322 DNA-MspI Digest              | 10066163   | Pass                 |
| E7310AVIAL   | NEBNext® SR Primer for Illumina®                | 10066159   | Pass                 |
| E7309AVIAL   | LongAmp® Taq 2X Master Mix                      | 10066156   | Pass                 |
| E7308AVIAL   | Murine RNase Inhibitor                          | 10066154   | Pass                 |
| E7305AVIAL   | NEBNext® 5' Ligation Enzyme Mix                 | 10066146   | Pass                 |
| E7304AVIAL   | NEBNext® 5' Ligation Reaction Buffer            | 10066144   | Pass                 |

| NEBNext® Multi Small RNA Lib Prep IL Set2 Component List |                                      |            |                      |
|--|--------------------------------------|------------|----------------------|
| NEB Part Number  | Component Description                | Lot Number | Individual QC Result |
| E7301AVIAL   | NEBNext® 3' Ligation Reaction Buffer | 10066138   | Pass                 |
| E7288AVIAL   | NEBNext® 3' Ligation Enzyme Mix      | 10066210   | Pass                 |
| E6138AVIAL   | Gel Loading Dye, Blue, 6X            | 10066161   | Pass                 |

| Assay Name/Specification   | Lot # 10066132          |
|--|-------------------------|
| <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 Set for Illumina® (Set 2) 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.

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09 Sep 2020



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17 Feb 2021