

New England Biolabs Certificate of Analysis

Product Name: NEBNext® Multiplex Small RNA Library Prep Set for Illumina® (Set 1)
 Catalog Number: E7300L
 Packaging Lot Number: 10205709
 Expiration Date: 07/2024
 Storage Temperature: -20°C
 Specification Version: PS-E7300S/L v1.0

| NEBNext® Multiplex Small RNA Library Prep Set for Illumina® (Set 1) Component List | | | |
|--|---|------------|----------------------|
| NEB Part Number | Component Description | Lot Number | Individual QC Result |
| E7355AAVIAL | ProtoScript® II Reverse Transcriptase | 10172720 | Pass |
| E7334AAVIAL | NEBNext® First Strand Synthesis Reaction Buffer | 10172718 | Pass |
| E7333AAVIAL | NEBNext® SR RT Primer for Illumina® | 10172707 | Pass |
| E7332AAVIAL | NEBNext® 3' SR Adaptor for Illumina® | 10172705 | Pass |
| E7328AAVIAL | NEBNext® 5' SR Adaptor for Illumina® | 10172715 | Pass |
| E7327AAVIAL | Nuclease-free Water | 10172671 | Pass |
| E7326AAVIAL | TE Buffer | 10172673 | Pass |
| E7325AAVIAL | Linear Acrylamide | 10172670 | Pass |
| E7324AAVIAL | DNA Gel Elution Buffer | 10172669 | Pass |
| E7323AAVIAL | Quick-Load® pBR322 DNA-MspI Digest | 10172668 | Pass |
| E7322AAVIAL | NEBNext® Index 12 Primer for Illumina® | 10172700 | Pass |
| E7321AAVIAL | NEBNext® Index 11 Primer for Illumina® | 10172697 | Pass |
| E7320AAVIAL | NEBNext® Index 10 Primer for Illumina® | 10172694 | Pass |
| E7319AAVIAL | NEBNext® Index 9 Primer for Illumina® | 10172692 | Pass |
| E7318AAVIAL | NEBNext® Index 8 Primer for Illumina® | 10172690 | Pass |
| E7317AAVIAL | NEBNext® Index 7 Primer for Illumina® | 10172688 | Pass |
| E7316AAVIAL | NEBNext® Index 6 Primer for Illumina® | 10172686 | Pass |
| E7315AAVIAL | NEBNext® Index 5 Primer for Illumina® | 10172683 | Pass |
| E7314AAVIAL | NEBNext® Index 4 Primer for Illumina® | 10172681 | Pass |
| E7313AAVIAL | NEBNext® Index 3 Primer for Illumina® | 10172679 | Pass |
| E7312AAVIAL | NEBNext® Index 2 Primer for Illumina® | 10172677 | Pass |
| E7311AAVIAL | NEBNext® Index 1 Primer for Illumina® | 10172675 | Pass |
| E7310AAVIAL | NEBNext® SR Primer for Illumina® | 10172710 | Pass |
| E7309AAVIAL | LongAmp® Taq 2X Master Mix | 10172665 | Pass |
| E7308AAVIAL | Murine RNase Inhibitor | 10172659 | Pass |
| E7305AAVIAL | NEBNext® 5' Ligation Enzyme Mix | 10172663 | Pass |
| E7304AAVIAL | NEBNext® 5' Ligation Reaction Buffer | 10172661 | Pass |

| NEBNext [®] Multiplex Small RNA Library Prep Set for Illumina [®] (Set 1) Component List | | | |
|--|--|------------|----------------------|
| NEB Part Number | Component Description | Lot Number | Individual QC Result |
| E7301AAVIAL | NEBNext [®] 3' Ligation Reaction Buffer | 10172656 | Pass |
| E7288AAVIAL | NEBNext [®] 3' Ligation Enzyme Mix | 10172723 | Pass |
| E6138AAVIAL | Gel Loading Dye, Blue, 6X | 10172702 | Pass |

| Assay Name/Specification | Lot # 10205709 |
|---|----------------|
| <p>* Individual Product Component Note Standard Quality Control Tests are performed for each component included in NEBNext[®] Multiplex Small RNA Library Prep Set for Illumina[®] (Set 1) and meet the designated specifications.</p> | Pass |
| <p>Functional Testing (Library Construction, Small RNA) 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> | 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 for additional information.



Christine Sumner
Production Scientist
21 Aug 2023



Michael Tonello
Packaging Quality Control Inspector
21 Aug 2023