

## New England Biolabs Certificate of Analysis

**Product Name:** NEBNext® Multiplex Small RNA Library Prep Set for Illumina® (Set 1)  
**Catalog Number:** E7300S  
**Packaging Lot Number:** 10193905  
**Expiration Date:** 01/2025  
**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
E7355AVIAL	ProtoScript® II Reverse Transcriptase	10194028	Pass
E7334AVIAL	NEBNext® First Strand Synthesis Reaction Buffer	10194024	Pass
E7333AVIAL	NEBNext® SR RT Primer for Illumina®	10194014	Pass
E7332AVIAL	NEBNext® 3' SR Adaptor for Illumina®	10194009	Pass
E7328AVIAL	NEBNext® 5' SR Adaptor for Illumina®	10194021	Pass
E7327AVIAL	Nuclease-free Water	10193941	Pass
E7326AVIAL	TE Buffer	10193945	Pass
E7325AVIAL	Linear Acrylamide	10193936	Pass
E7324AVIAL	DNA Gel Elution Buffer	10193931	Pass
E7323AVIAL	Quick-Load® pBR322 DNA-MspI Digest	10193928	Pass
E7322AVIAL	NEBNext® Index 12 Primer for Illumina®	10193999	Pass
E7321AVIAL	NEBNext® Index 11 Primer for Illumina®	10193994	Pass
E7320AVIAL	NEBNext® Index 10 Primer for Illumina®	10193989	Pass
E7319AVIAL	NEBNext® Index 9 Primer for Illumina®	10193985	Pass
E7318AVIAL	NEBNext® Index 8 Primer for Illumina®	10193980	Pass
E7317AVIAL	NEBNext® Index 7 Primer for Illumina®	10193975	Pass
E7316AVIAL	NEBNext® Index 6 Primer for Illumina®	10193970	Pass
E7315AVIAL	NEBNext® Index 5 Primer for Illumina®	10193965	Pass
E7314AVIAL	NEBNext® Index 4 Primer for Illumina®	10193961	Pass
E7313AVIAL	NEBNext® Index 3 Primer for Illumina®	10193957	Pass
E7312AVIAL	NEBNext® Index 2 Primer for Illumina®	10193953	Pass
E7311AVIAL	NEBNext® Index 1 Primer for Illumina®	10193949	Pass
E7310AVIAL	NEBNext® SR Primer for Illumina®	10194018	Pass
E7309AVIAL	LongAmp® Taq 2X Master Mix	10193924	Pass
E7308AVIAL	Murine RNase Inhibitor	10193914	Pass
E7305AVIAL	NEBNext® 5' Ligation Enzyme Mix	10193921	Pass
E7304AVIAL	NEBNext® 5' Ligation Reaction Buffer	10193917	Pass

NEBNext® Multiplex Small RNA Library Prep Set for Illumina® (Set 1) Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E7301AVIAL	NEBNext® 3' Ligation Reaction Buffer	10193911	Pass
E7288AVIAL	NEBNext® 3' Ligation Enzyme Mix	10194031	Pass
E6138AVIAL	Gel Loading Dye, Blue, 6X	10194004	Pass

Assay Name/Specification	Lot # 10193905
<p><b>* Individual Product Component Note</b> 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><b>Functional Testing (Library Construction, Small RNA)</b> 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.

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12 Sep 2023



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28 Feb 2024