

## 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: *10136633*  
 Expiration Date: *09/2023*  
 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	10136695	Pass
E7334AVIAL	NEBNext® First Strand Synthesis Reaction Buffer	10136693	Pass
E7333AVIAL	NEBNext® SR RT Primer for Illumina®	10136686	Pass
E7332AVIAL	NEBNext® 3' SR Adaptor for Illumina®	10136685	Pass
E7328AVIAL	NEBNext® 5' SR Adaptor for Illumina®	10136690	Pass
E7327AVIAL	Nuclease-free Water	10136655	Pass
E7326AVIAL	TE Buffer	10136657	Pass
E7325AVIAL	Linear Acrylamide	10136653	Pass
E7324AVIAL	DNA Gel Elution Buffer	10136651	Pass
E7323AVIAL	Quick-Load® pBR322 DNA-MspI Digest	10136649	Pass
E7322AVIAL	NEBNext® Index 12 Primer for Illumina®	10136681	Pass
E7321AVIAL	NEBNext® Index 11 Primer for Illumina®	10136679	Pass
E7320AVIAL	NEBNext® Index 10 Primer for Illumina®	10136677	Pass
E7319AVIAL	NEBNext® Index 9 Primer for Illumina®	10136675	Pass
E7318AVIAL	NEBNext® Index 8 Primer for Illumina®	10136673	Pass
E7317AVIAL	NEBNext® Index 7 Primer for Illumina®	10136671	Pass
E7316AVIAL	NEBNext® Index 6 Primer for Illumina®	10136670	Pass
E7315AVIAL	NEBNext® Index 5 Primer for Illumina®	10136668	Pass
E7314AVIAL	NEBNext® Index 4 Primer for Illumina®	10136666	Pass
E7313AVIAL	NEBNext® Index 3 Primer for Illumina®	10136664	Pass
E7312AVIAL	NEBNext® Index 2 Primer for Illumina®	10136662	Pass
E7311AVIAL	NEBNext® Index 1 Primer for Illumina®	10136659	Pass
E7310AVIAL	NEBNext® SR Primer for Illumina®	10136688	Pass
E7309AVIAL	LongAmp® Taq 2X Master Mix	10136647	Pass
E7308AVIAL	Murine RNase Inhibitor	10136642	Pass
E7305AVIAL	NEBNext® 5' Ligation Enzyme Mix	10136646	Pass
E7304AVIAL	NEBNext® 5' Ligation Reaction Buffer	10136644	Pass

NEBNext <sup>®</sup> Multiplex Small RNA Library Prep Set for Illumina <sup>®</sup> (Set 1) Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E7301AVIAL	NEBNext <sup>®</sup> 3' Ligation Reaction Buffer	10136640	Pass
E7288AVIAL	NEBNext <sup>®</sup> 3' Ligation Enzyme Mix	10136697	Pass
E6138AVIAL	Gel Loading Dye, Blue, 6X	10136683	Pass


Assay Name/Specification	Lot # 10136633
<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<sup>®</sup> flow cell and compared across various metrics including library yield and number of miRNAs identified.</p>	Pass
<p><b>* Individual Product Component Note</b> Standard Quality Control Tests are performed for each component included in NEBNext<sup>®</sup> Multiplex Small RNA Library Prep Set for Illumina<sup>®</sup> (Set 1) and meet the designated specifications.</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](http://www.neb.com/trademarks) for additional information.



Christine Sumner  
Production Scientist  
20 Apr 2022



Mary Neal  
Packaging Quality Control Inspector  
12 Jan 2023