

## New England Biolabs Certificate of Analysis

Product Name: NEBNext® Multiplex Small RNA Library Prep Set for Illumina® (Set 1)  
 Catalog Number: E7300S  
 Lot Number: 10045135  
 Expiration Date: 09/2020  
 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	10037639	Pass
E7334AVIAL	NEBNext® First Strand Synthesis Reaction Buffer	10037637	Pass
E7333AVIAL	NEBNext® SR RT Primer for Illumina®	10037630	Pass
E7332AVIAL	NEBNext® 3' SR Adaptor for Illumina®	10037628	Pass
E7328AVIAL	NEBNext® 5' SR Adaptor for Illumina®	10037635	Pass
E7327AVIAL	Nuclease Free Water	10037598	Pass
E7326AVIAL	TE Buffer	10037600	Pass
E7325AVIAL	Linear Acrylamide	10037596	Pass
E7324AVIAL	DNA Gel Elution Buffer	10037594	Pass
E7323AVIAL	Quick-Load® pBR322 DNA-MspI Digest	10037592	Pass
E7322AVIAL	NEBNext® Index 12 Primer for Illumina®	10037624	Pass
E7321AVIAL	NEBNext® Index 11 Primer for Illumina®	10037622	Pass
E7320AVIAL	NEBNext® Index 10 Primer for Illumina®	10037620	Pass
E7319AVIAL	NEBNext® Index 9 Primer for Illumina®	10037618	Pass
E7318AVIAL	NEBNext® Index 8 Primer for Illumina®	10037616	Pass
E7317AVIAL	NEBNext® Index 7 Primer for Illumina®	10037614	Pass
E7316AVIAL	NEBNext® Index 6 Primer for Illumina®	10037612	Pass
E7315AVIAL	NEBNext® Index 5 Primer for Illumina®	10037610	Pass
E7314AVIAL	NEBNext® Index 4 Primer for Illumina®	10037608	Pass
E7313AVIAL	NEBNext® Index 3 Primer for Illumina®	10037606	Pass
E7312AVIAL	NEBNext® Index 2 Primer for Illumina®	10037604	Pass
E7311AVIAL	NEBNext® Index 1 Primer for Illumina®	10037602	Pass
E7310AVIAL	NEBNext® SR Primer for Illumina®	10037633	Pass
E7309AVIAL	LongAmp® Taq 2X Master Mix	10037590	Pass
E7308AVIAL	Murine RNase Inhibitor	10037584	Pass
E7305AVIAL	NEBNext® 5' Ligation Enzyme Mix	10037588	Pass
E7304AVIAL	NEBNext® 5' Ligation Reaction Buffer	10037586	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	10037582	Pass
E7288AVIAL	NEBNext <sup>®</sup> 3' Ligation Enzyme Mix	10037641	Pass
E6138AVIAL	Gel Loading Dye, Blue, 6X	10037626	Pass

Assay Name/Specification	Lot # 10045135
<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.



Christine Sumner  
Production Scientist  
22 May 2019



Michael Tonello  
Packaging Quality Control Inspector  
22 May 2019