

## 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: *10065885*  
 Expiration Date: *03/2021*  
 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	10053145	Pass
E7334AAVIAL	NEBNext® First Strand Synthesis Reaction Buffer	10053144	Pass
E7333AAVIAL	NEBNext® SR RT Primer for Illumina®	10053143	Pass
E7332AAVIAL	NEBNext® 3' SR Adaptor for Illumina®	10053142	Pass
E7328AAVIAL	NEBNext® 5' SR Adaptor for Illumina®	10053141	Pass
E7327AAVIAL	Nuclease-free Water	10053140	Pass
E7326AAVIAL	TE Buffer	10053139	Pass
E7325AAVIAL	Linear Acrylamide	10053138	Pass
E7324AAVIAL	DNA Gel Elution Buffer	10053137	Pass
E7323AAVIAL	Quick-Load® pBR322 DNA-MspI Digest	10053180	Pass
E7322AAVIAL	NEBNext® Index 12 Primer for Illumina®	10052922	Pass
E7321AAVIAL	NEBNext® Index 11 Primer for Illumina®	10052921	Pass
E7320AAVIAL	NEBNext® Index 10 Primer for Illumina®	10052920	Pass
E7319AAVIAL	NEBNext® Index 9 Primer for Illumina®	10052919	Pass
E7318AAVIAL	NEBNext® Index 8 Primer for Illumina®	10052918	Pass
E7317AAVIAL	NEBNext® Index 7 Primer for Illumina®	10052917	Pass
E7316AAVIAL	NEBNext® Index 6 Primer for Illumina®	10052923	Pass
E7315AAVIAL	NEBNext® Index 5 Primer for Illumina®	10052924	Pass
E7314AAVIAL	NEBNext® Index 4 Primer for Illumina®	10052916	Pass
E7313AAVIAL	NEBNext® Index 3 Primer for Illumina®	10052915	Pass
E7312AAVIAL	NEBNext® Index 2 Primer for Illumina®	10052914	Pass
E7311AAVIAL	NEBNext® Index 1 Primer for Illumina®	10052913	Pass
E7310AAVIAL	NEBNext® SR Primer for Illumina®	10053136	Pass
E7309AAVIAL	LongAmp® Taq 2X Master Mix	10053135	Pass
E7308AAVIAL	Murine RNase Inhibitor	10053134	Pass
E7305AAVIAL	NEBNext® 5' Ligation Enzyme Mix	10053133	Pass
E7304AAVIAL	NEBNext® 5' Ligation Reaction Buffer	10053132	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
E7301AAVIAL	NEBNext <sup>®</sup> 3' Ligation Reaction Buffer	10053131	Pass
E7288AAVIAL	NEBNext <sup>®</sup> 3' Ligation Enzyme Mix	10053116	Pass
E6138AAVIAL	Gel Loading Dye, Blue, 6X	10053115	Pass

Assay Name/Specification	Lot # 10065885
<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.



Melissa Arn  
Production Scientist  
15 Nov 2019



Michael Tonello  
Packaging Quality Control Inspector  
23 Jan 2020