

## 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: 10065066  
 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
E7355AVIAL	ProtoScript® II Reverse Transcriptase	10052968	Pass
E7334AVIAL	NEBNext® First Strand Synthesis Reaction Buffer	10052966	Pass
E7333AVIAL	NEBNext® SR RT Primer for Illumina®	10052960	Pass
E7332AVIAL	NEBNext® 3' SR Adaptor for Illumina®	10052958	Pass
E7328AVIAL	NEBNext® 5' SR Adaptor for Illumina®	10052964	Pass
E7327AVIAL	Nuclease-free Water	10052936	Pass
E7326AVIAL	TE Buffer	10052937	Pass
E7325AVIAL	Linear Acrylamide	10052935	Pass
E7324AVIAL	DNA Gel Elution Buffer	10052934	Pass
E7323AVIAL	Quick-Load® pBR322 DNA-MspI Digest	10052933	Pass
E7322AVIAL	NEBNext® Index 12 Primer for Illumina®	10052954	Pass
E7321AVIAL	NEBNext® Index 11 Primer for Illumina®	10052952	Pass
E7320AVIAL	NEBNext® Index 10 Primer for Illumina®	10052950	Pass
E7319AVIAL	NEBNext® Index 9 Primer for Illumina®	10052948	Pass
E7318AVIAL	NEBNext® Index 8 Primer for Illumina®	10052946	Pass
E7317AVIAL	NEBNext® Index 7 Primer for Illumina®	10052945	Pass
E7316AVIAL	NEBNext® Index 6 Primer for Illumina®	10052944	Pass
E7315AVIAL	NEBNext® Index 5 Primer for Illumina®	10052943	Pass
E7314AVIAL	NEBNext® Index 4 Primer for Illumina®	10052942	Pass
E7313AVIAL	NEBNext® Index 3 Primer for Illumina®	10052941	Pass
E7312AVIAL	NEBNext® Index 2 Primer for Illumina®	10052940	Pass
E7311AVIAL	NEBNext® Index 1 Primer for Illumina®	10052938	Pass
E7310AVIAL	NEBNext® SR Primer for Illumina®	10052962	Pass
E7309AVIAL	LongAmp® Taq 2X Master Mix	10052932	Pass
E7308AVIAL	Murine RNase Inhibitor	10052929	Pass
E7305AVIAL	NEBNext® 5' Ligation Enzyme Mix	10052931	Pass
E7304AVIAL	NEBNext® 5' Ligation Reaction Buffer	10052930	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	10052928	Pass
E7288AVIAL	NEBNext <sup>®</sup> 3' Ligation Enzyme Mix	10052970	Pass
E6138AVIAL	Gel Loading Dye, Blue, 6X	10052956	Pass

Assay Name/Specification	Lot # 10065066
<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> <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
	Pass

This product has been tested and shown to be in compliance with all specifications.



Christine Sumner  
Production Scientist  
28 Jan 2020



Michael Tonello  
Packaging Quality Control Inspector  
28 Jan 2020