

## 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: *10110351*  
 Expiration Date: *07/2022*  
 Storage Temperature: *-20°C*  
 Specification Version: *PS-E7300S/L v1.0*

<b>NEBNext® Multiplex Small RNA Library Prep Set for Illumina® (Set 1) Component List</b>			
<b>NEB Part Number</b>	<b>Component Description</b>	<b>Lot Number</b>	<b>Individual QC Result</b>
E7355AAVIAL	ProtoScript® II Reverse Transcriptase	10093683	Pass
E7334AAVIAL	NEBNext® First Strand Synthesis Reaction Buffer	10093682	Pass
E7333AAVIAL	NEBNext® SR RT Primer for Illumina®	10093679	Pass
E7332AAVIAL	NEBNext® 3' SR Adaptor for Illumina®	10093678	Pass
E7328AAVIAL	NEBNext® 5' SR Adaptor for Illumina®	10093681	Pass
E7327AAVIAL	Nuclease-free Water	10093663	Pass
E7326AAVIAL	TE Buffer	10093664	Pass
E7325AAVIAL	Linear Acrylamide	10093662	Pass
E7324AAVIAL	DNA Gel Elution Buffer	10093661	Pass
E7323AAVIAL	Quick-Load® pBR322 DNA-MspI Digest	10093660	Pass
E7322AAVIAL	NEBNext® Index 12 Primer for Illumina®	10093676	Pass
E7321AAVIAL	NEBNext® Index 11 Primer for Illumina®	10093675	Pass
E7320AAVIAL	NEBNext® Index 10 Primer for Illumina®	10093674	Pass
E7319AAVIAL	NEBNext® Index 9 Primer for Illumina®	10093673	Pass
E7318AAVIAL	NEBNext® Index 8 Primer for Illumina®	10093672	Pass
E7317AAVIAL	NEBNext® Index 7 Primer for Illumina®	10093671	Pass
E7316AAVIAL	NEBNext® Index 6 Primer for Illumina®	10093670	Pass
E7315AAVIAL	NEBNext® Index 5 Primer for Illumina®	10093669	Pass
E7314AAVIAL	NEBNext® Index 4 Primer for Illumina®	10093668	Pass
E7313AAVIAL	NEBNext® Index 3 Primer for Illumina®	10093667	Pass
E7312AAVIAL	NEBNext® Index 2 Primer for Illumina®	10093666	Pass
E7311AAVIAL	NEBNext® Index 1 Primer for Illumina®	10093665	Pass
E7310AAVIAL	NEBNext® SR Primer for Illumina®	10093680	Pass
E7309AAVIAL	LongAmp® Taq 2X Master Mix	10093659	Pass
E7308AAVIAL	Murine RNase Inhibitor	10093656	Pass
E7305AAVIAL	NEBNext® 5' Ligation Enzyme Mix	10093658	Pass
E7304AAVIAL	NEBNext® 5' Ligation Reaction Buffer	10093657	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	10093655	Pass
E7288AAVIAL	NEBNext <sup>®</sup> 3' Ligation Enzyme Mix	10093684	Pass
E6138AAVIAL	Gel Loading Dye, Blue, 6X	10093677	Pass

Assay Name/Specification	Lot # 10110351
<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
<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

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.



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18 May 2021



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18 May 2021