

## New England Biolabs Certificate of Analysis

Product Name: *NEBNext® Multiplex Small RNA Library Prep Kit for Illumina® (Index Primers 1-48)*  
 Catalog Number: *E7560S*  
 Packaging Lot Number: *10172748*  
 Expiration Date: *07/2024*  
 Storage Temperature: *-20°C*  
 Specification Version: *PS-E7560S v1.0*

NEBNext® Multiplex Small RNA Library Prep Kit for Illumina® (Index Primers 1-48) Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E7742AVIAL	NEBNext® Index 48 Primer for Illumina®	10172878	Pass
E7741AVIAL	NEBNext® Index 47 Primer for Illumina®	10172876	Pass
E7740AVIAL	NEBNext® Index 46 Primer for Illumina®	10172874	Pass
E7739AVIAL	NEBNext® Index 45 Primer for Illumina®	10172872	Pass
E7738AVIAL	NEBNext® Index 44 Primer for Illumina®	10172870	Pass
E7737AVIAL	NEBNext® Index 43 Primer for Illumina®	10172868	Pass
E7736AVIAL	NEBNext® Index 42 Primer for Illumina®	10172866	Pass
E7735AVIAL	NEBNext® Index 41 Primer for Illumina®	10172864	Pass
E7734AVIAL	NEBNext® Index 40 Primer for Illumina®	10172862	Pass
E7733AVIAL	NEBNext® Index 39 Primer for Illumina®	10172860	Pass
E7732AVIAL	NEBNext® Index 38 Primer for Illumina®	10172858	Pass
E7731AVIAL	NEBNext® Index 37 Primer for Illumina®	10172856	Pass
E7722AVIAL	NEBNext® Index 36 Primer for Illumina®	10172854	Pass
E7721AVIAL	NEBNext® Index 35 Primer for Illumina®	10172852	Pass
E7720AVIAL	NEBNext® Index 34 Primer for Illumina®	10172849	Pass
E7719AVIAL	NEBNext® Index 33 Primer for Illumina®	10172846	Pass
E7718AVIAL	NEBNext® Index 32 Primer for Illumina®	10172843	Pass
E7717AVIAL	NEBNext® Index 31 Primer for Illumina®	10172840	Pass
E7716AVIAL	NEBNext® Index 30 Primer for Illumina®	10172837	Pass
E7715AVIAL	NEBNext® Index 29 Primer for Illumina®	10172834	Pass
E7714AVIAL	NEBNext® Index 28 Primer for Illumina®	10172832	Pass
E7713AVIAL	NEBNext® Index 26 Primer for Illumina®	10172829	Pass
E7592AVIAL	NEBNext® Index 24 Primer for Illumina®	10172881	Pass
E7591AVIAL	NEBNext® Index 23 Primer for Illumina®	10172889	Pass
E7590AVIAL	NEBNext® Index 22 Primer for Illumina®	10172888	Pass
E7589AVIAL	NEBNext® Index 21 Primer for Illumina®	10172887	Pass

<b>NEBNext<sup>®</sup> Multiplex Small RNA Library Prep Kit for Illumina<sup>®</sup> (Index Primers 1-48) Component List</b>			
<b>NEB Part Number</b>	<b>Component Description</b>	<b>Lot Number</b>	<b>Individual QC Result</b>
E7588AVIAL	NEBNext <sup>®</sup> Index 20 Primer for Illumina <sup>®</sup>	10172886	Pass
E7587AVIAL	NEBNext <sup>®</sup> Index 19 Primer for Illumina <sup>®</sup>	10172885	Pass
E7586AVIAL	NEBNext <sup>®</sup> Index 18 Primer for Illumina <sup>®</sup>	10172890	Pass
E7585AVIAL	NEBNext <sup>®</sup> Index 17 Primer for Illumina <sup>®</sup>	10172880	Pass
E7584AVIAL	NEBNext <sup>®</sup> Index 16 Primer for Illumina <sup>®</sup>	10172879	Pass
E7583AVIAL	NEBNext <sup>®</sup> Index 15 Primer for Illumina <sup>®</sup>	10172884	Pass
E7582AVIAL	NEBNext <sup>®</sup> Index 14 Primer for Illumina <sup>®</sup>	10172883	Pass
E7581AVIAL	NEBNext <sup>®</sup> Index 13 Primer for Illumina <sup>®</sup>	10172882	Pass
E7562AVIAL	NEBNext <sup>®</sup> Index 27 Primer for Illumina <sup>®</sup>	10172785	Pass
E7561AVIAL	NEBNext <sup>®</sup> Index 25 Primer for Illumina <sup>®</sup>	10172783	Pass
E7355AAVIAL	ProtoScript <sup>®</sup> II Reverse Transcriptase	10172826	Pass
E7334AAVIAL	NEBNext <sup>®</sup> First Strand Synthesis Reaction Buffer	10172823	Pass
E7333AAVIAL	NEBNext <sup>®</sup> SR RT Primer for Illumina <sup>®</sup>	10172820	Pass
E7332AAVIAL	NEBNext <sup>®</sup> 3' SR Adaptor for Illumina <sup>®</sup>	10172817	Pass
E7328AVIAL	NEBNext <sup>®</sup> 5' SR Adaptor for Illumina <sup>®</sup>	10172814	Pass
E7327AAVIAL	Nuclease-free Water	10172810	Pass
E7326AAVIAL	TE Buffer	10172806	Pass
E7325AAVIAL	Linear Acrylamide	10172804	Pass
E7324AAVIAL	DNA Gel Elution Buffer	10172800	Pass
E7323AAVIAL	Quick-Load <sup>®</sup> pBR322 DNA-MspI Digest	10172891	Pass
E7322AVIAL	NEBNext <sup>®</sup> Index 12 Primer for Illumina <sup>®</sup>	10172779	Pass
E7321AVIAL	NEBNext <sup>®</sup> Index 11 Primer for Illumina <sup>®</sup>	10172778	Pass
E7320AVIAL	NEBNext <sup>®</sup> Index 10 Primer for Illumina <sup>®</sup>	10172776	Pass
E7319AVIAL	NEBNext <sup>®</sup> Index 9 Primer for Illumina <sup>®</sup>	10172774	Pass
E7318AVIAL	NEBNext <sup>®</sup> Index 8 Primer for Illumina <sup>®</sup>	10172773	Pass
E7317AVIAL	NEBNext <sup>®</sup> Index 7 Primer for Illumina <sup>®</sup>	10172772	Pass
E7316AVIAL	NEBNext <sup>®</sup> Index 6 Primer for Illumina <sup>®</sup>	10172781	Pass
E7315AVIAL	NEBNext <sup>®</sup> Index 5 Primer for Illumina <sup>®</sup>	10172771	Pass
E7314AVIAL	NEBNext <sup>®</sup> Index 4 Primer for Illumina <sup>®</sup>	10172768	Pass
E7313AVIAL	NEBNext <sup>®</sup> Index 3 Primer for Illumina <sup>®</sup>	10172766	Pass
E7312AVIAL	NEBNext <sup>®</sup> Index 2 Primer for Illumina <sup>®</sup>	10172764	Pass
E7311AVIAL	NEBNext <sup>®</sup> Index 1 Primer for Illumina <sup>®</sup>	10172762	Pass
E7310AAVIAL	NEBNext <sup>®</sup> SR Primer for Illumina <sup>®</sup>	10172798	Pass
E7309AAVIAL	LongAmp <sup>®</sup> Taq 2X Master Mix	10172796	Pass
E7308AAVIAL	Murine RNase Inhibitor	10172794	Pass
E7305AAVIAL	NEBNext <sup>®</sup> 5' Ligation Enzyme Mix	10172792	Pass

NEBNext® Multiplex Small RNA Library Prep Kit for Illumina® (Index Primers 1-48) Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E7304AAVIAL	NEBNext® 5' Ligation Reaction Buffer	10172789	Pass
E7301AAVIAL	NEBNext® 3' Ligation Reaction Buffer	10172787	Pass
E7288AAVIAL	NEBNext® 3' Ligation Enzyme Mix	10172760	Pass
E6138AAVIAL	Gel Loading Dye, Blue, 6X	10172757	Pass

Assay Name/Specification	Lot # 10172748
<p><b>* Individual Product Component Note</b> Standard Quality Control Tests are performed for each component included in NEBNext® Multiplex Small RNA Library Prep Kit for Illumina® (Index Primers 1-48) 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® 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.

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16 Feb 2023



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13 Oct 2023