

## New England Biolabs Certificate of Analysis

Product Name: *NEBNext® Multiplex Small RNA Library Prep Kit for Illumina® (Index Primers 1-48)*  
 Catalog Number: *E7560S*  
 Lot Number: *10042841*  
 Expiration Date: *09/2020*  
 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®	10037632	Pass
E7741AVIAL	NEBNext® Index 47 Primer for Illumina®	10037631	Pass
E7740AVIAL	NEBNext® Index 46 Primer for Illumina®	10037629	Pass
E7739AVIAL	NEBNext® Index 45 Primer for Illumina®	10037627	Pass
E7738AVIAL	NEBNext® Index 44 Primer for Illumina®	10037625	Pass
E7737AVIAL	NEBNext® Index 43 Primer for Illumina®	10037623	Pass
E7736AVIAL	NEBNext® Index 42 Primer for Illumina®	10037621	Pass
E7735AVIAL	NEBNext® Index 41 Primer for Illumina®	10037619	Pass
E7734AVIAL	NEBNext® Index 40 Primer for Illumina®	10037617	Pass
E7733AVIAL	NEBNext® Index 39 Primer for Illumina®	10037615	Pass
E7732AVIAL	NEBNext® Index 38 Primer for Illumina®	10037613	Pass
E7731AVIAL	NEBNext® Index 37 Primer for Illumina®	10037611	Pass
E7722AVIAL	NEBNext® Index 36 Primer for Illumina®	10037609	Pass
E7721AVIAL	NEBNext® Index 35 Primer for Illumina®	10037607	Pass
E7720AVIAL	NEBNext® Index 34 Primer for Illumina®	10037605	Pass
E7719AVIAL	NEBNext® Index 33 Primer for Illumina®	10037603	Pass
E7718AVIAL	NEBNext® Index 32 Primer for Illumina®	10037601	Pass
E7717AVIAL	NEBNext® Index 31 Primer for Illumina®	10037599	Pass
E7716AVIAL	NEBNext® Index 30 Primer for Illumina®	10037597	Pass
E7715AVIAL	NEBNext® Index 29 Primer for Illumina®	10037595	Pass
E7714AVIAL	NEBNext® Index 28 Primer for Illumina®	10037593	Pass
E7713AVIAL	NEBNext® Index 26 Primer for Illumina®	10037591	Pass
E7592AVIAL	NEBNext® Index 24 Primer for Illumina®	10037638	Pass
E7591AVIAL	NEBNext® Index 23 Primer for Illumina®	10037648	Pass
E7590AVIAL	NEBNext® Index 22 Primer for Illumina®	10037647	Pass
E7589AVIAL	NEBNext® Index 21 Primer for Illumina®	10037646	Pass

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<b>NEB Part Number</b>	<b>Component Description</b>	<b>Lot Number</b>	<b>Individual QC Result</b>
E7588AVIAL	NEBNext® Index 20 Primer for Illumina®	10037645	Pass
E7587AVIAL	NEBNext® Index 19 Primer for Illumina®	10037644	Pass
E7586AVIAL	NEBNext® Index 18 Primer for Illumina®	10037650	Pass
E7585AVIAL	NEBNext® Index 17 Primer for Illumina®	10037636	Pass
E7584AVIAL	NEBNext® Index 16 Primer for Illumina®	10037634	Pass
E7583AVIAL	NEBNext® Index 15 Primer for Illumina®	10037643	Pass
E7582AVIAL	NEBNext® Index 14 Primer for Illumina®	10037642	Pass
E7581AVIAL	NEBNext® Index 13 Primer for Illumina®	10037640	Pass
E7562AVIAL	NEBNext® Index 27 Primer for Illumina®	10037569	Pass
E7561AVIAL	NEBNext® Index 25 Primer for Illumina®	10037568	Pass
E7355AAVIAL	ProtoScript® II Reverse Transcriptase	10037589	Pass
E7334AAVIAL	NEBNext® First Strand Synthesis Reaction Buffer	10037587	Pass
E7333AAVIAL	NEBNext® SR RT Primer for Illumina®	10037585	Pass
E7332AAVIAL	NEBNext® 3' SR Adaptor for Illumina®	10037583	Pass
E7328AVIAL	NEBNext® 5' SR Adaptor for Illumina®	10037581	Pass
E7327AAVIAL	Nuclease Free Water	10037580	Pass
E7326AAVIAL	TE Buffer	10037579	Pass
E7325AAVIAL	Linear Acrylamide	10037578	Pass
E7324AAVIAL	DNA Gel Elution Buffer	10037577	Pass
E7323AAVIAL	Quick-Load® pBR322 DNA-MspI Digest	10037651	Pass
E7322AVIAL	NEBNext® Index 12 Primer for Illumina®	10037566	Pass
E7321AVIAL	NEBNext® Index 11 Primer for Illumina®	10037565	Pass
E7320AVIAL	NEBNext® Index 10 Primer for Illumina®	10037564	Pass
E7319AVIAL	NEBNext® Index 9 Primer for Illumina®	10037563	Pass
E7318AVIAL	NEBNext® Index 8 Primer for Illumina®	10037562	Pass
E7317AVIAL	NEBNext® Index 7 Primer for Illumina®	10037561	Pass
E7316AVIAL	NEBNext® Index 6 Primer for Illumina®	10037567	Pass
E7315AVIAL	NEBNext® Index 5 Primer for Illumina®	10037560	Pass
E7314AVIAL	NEBNext® Index 4 Primer for Illumina®	10037559	Pass
E7313AVIAL	NEBNext® Index 3 Primer for Illumina®	10037558	Pass
E7312AVIAL	NEBNext® Index 2 Primer for Illumina®	10037557	Pass
E7311AVIAL	NEBNext® Index 1 Primer for Illumina®	10037556	Pass
E7310AAVIAL	NEBNext® SR Primer for Illumina®	10037576	Pass
E7309AAVIAL	LongAmp® Taq 2X Master Mix	10037575	Pass
E7308AAVIAL	Murine RNase Inhibitor	10037574	Pass
E7305AAVIAL	NEBNext® 5' Ligation Enzyme Mix	10037572	Pass

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NEB Part Number	Component Description	Lot Number	Individual QC Result
E7304AAVIAL	NEBNext® 5' Ligation Reaction Buffer	10037571	Pass
E7301AAVIAL	NEBNext® 3' Ligation Reaction Buffer	10037570	Pass
E7288AAVIAL	NEBNext® 3' Ligation Enzyme Mix	10037554	Pass
E6138AAVIAL	Gel Loading Dye, Blue, 6X	10037551	Pass

Assay Name/Specification	Lot # 10042841
<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
<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

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



Christine Sumner  
Production Scientist  
10 Apr 2019



Michael Tonello  
Packaging Quality Control Inspector  
10 Apr 2019