

## New England Biolabs Certificate of Analysis

**Product Name:** NEBNext® Multiplex Small RNA Library Prep Kit for Illumina® Set 2  
**Catalog Number:** E7580L  
**Lot Number:** 10056242  
**Expiration Date:** 09/2020  
**Storage Temperature:** -20°C  
**Specification Version:** PS-E7580S/L v1.0

NEBNext® Multiplex Small RNA Library Prep Kit for Illumina® Set 2 Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E7592AAVIAL	NEBNext® Index 24 Primer for Illumina®	10037553	Pass
E7591AAVIAL	NEBNext® Index 23 Primer for Illumina®	10037552	Pass
E7590AAVIAL	NEBNext® Index 22 Primer for Illumina®	10037550	Pass
E7589AAVIAL	NEBNext® Index 21 Primer for Illumina®	10037549	Pass
E7588AAVIAL	NEBNext® Index 20 Primer for Illumina®	10037548	Pass
E7587AAVIAL	NEBNext® Index 19 Primer for Illumina®	10037547	Pass
E7586AAVIAL	NEBNext® Index 18 Primer for Illumina®	10037546	Pass
E7585AAVIAL	NEBNext® Index 17 Primer for Illumina®	10037544	Pass
E7584AAVIAL	NEBNext® Index 16 Primer for Illumina®	10037543	Pass
E7583AAVIAL	NEBNext® Index 15 Primer for Illumina®	10037542	Pass
E7582AAVIAL	NEBNext® Index 14 Primer for Illumina®	10037541	Pass
E7581AAVIAL	NEBNext® Index 13 Primer for Illumina®	10037540	Pass
E7355AAVIAL	ProtoScript® II Reverse Transcriptase	10037530	Pass
E7334AAVIAL	NEBNext® First Strand Synthesis Reaction Buffer	10037529	Pass
E7333AAVIAL	NEBNext® SR RT Primer for Illumina®	10037528	Pass
E7332AAVIAL	NEBNext® 3' SR Adaptor for Illumina®	10037524	Pass
E7328AAVIAL	NEBNext® 5' SR Adaptor for Illumina®	10037525	Pass
E7327AAVIAL	Nuclease Free Water	10037539	Pass
E7326AAVIAL	TE Buffer	10037538	Pass
E7325AAVIAL	Linear Acrylamide	10037537	Pass
E7324AAVIAL	DNA Gel Elution Buffer	10037536	Pass
E7323AAVIAL	Quick-Load® pBR322 DNA-MspI Digest	10037535	Pass
E7310AAVIAL	NEBNext® SR Primer for Illumina®	10037533	Pass
E7309AAVIAL	LongAmp® Taq 2X Master Mix	10037532	Pass
E7308AAVIAL	Murine RNase Inhibitor	10037531	Pass
E7305AAVIAL	NEBNext® 5' Ligation Enzyme Mix	10037527	Pass
E7304AAVIAL	NEBNext® 5' Ligation Reaction Buffer	10037526	Pass

NEBNext <sup>®</sup> Multiplex Small RNA Library Prep Kit for Illumina <sup>®</sup> Set 2 Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E7301AAVIAL	NEBNext <sup>®</sup> 3' Ligation Reaction Buffer	10037523	Pass
E7288AAVIAL	NEBNext <sup>®</sup> 3' Ligation Enzyme Mix	10037555	Pass
E6138AAVIAL	Gel Loading Dye, Blue, 6X	10037534	Pass

Assay Name/Specification	Lot # 10056242
<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 2) 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 Oct 2019



Michael Tonello  
Packaging Quality Control Inspector  
10 Oct 2019