

## New England Biolabs Certificate of Analysis

**Product Name:** NEBNext® Multiplex Small RNA Library Prep Kit for Illumina® Set 2  
**Catalog Number:** E7580L  
**Packaging Lot Number:** 10060691  
**Expiration Date:** 03/2021  
**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®	10053112	Pass
E7591AAVIAL	NEBNext® Index 23 Primer for Illumina®	10053111	Pass
E7590AAVIAL	NEBNext® Index 22 Primer for Illumina®	10053110	Pass
E7589AAVIAL	NEBNext® Index 21 Primer for Illumina®	10053109	Pass
E7588AAVIAL	NEBNext® Index 20 Primer for Illumina®	10053108	Pass
E7587AAVIAL	NEBNext® Index 19 Primer for Illumina®	10053107	Pass
E7586AAVIAL	NEBNext® Index 18 Primer for Illumina®	10053106	Pass
E7585AAVIAL	NEBNext® Index 17 Primer for Illumina®	10053105	Pass
E7584AAVIAL	NEBNext® Index 16 Primer for Illumina®	10053104	Pass
E7583AAVIAL	NEBNext® Index 15 Primer for Illumina®	10053103	Pass
E7582AAVIAL	NEBNext® Index 14 Primer for Illumina®	10053102	Pass
E7581AAVIAL	NEBNext® Index 13 Primer for Illumina®	10053101	Pass
E7355AAVIAL	ProtoScript® II Reverse Transcriptase	10053091	Pass
E7334AAVIAL	NEBNext® First Strand Synthesis Reaction Buffer	10053090	Pass
E7333AAVIAL	NEBNext® SR RT Primer for Illumina®	10053089	Pass
E7332AAVIAL	NEBNext® 3' SR Adaptor for Illumina®	10053085	Pass
E7328AAVIAL	NEBNext® 5' SR Adaptor for Illumina®	10053086	Pass
E7327AAVIAL	Nuclease Free Water	10053100	Pass
E7326AAVIAL	TE Buffer	10053099	Pass
E7325AAVIAL	Linear Acrylamide	10053098	Pass
E7324AAVIAL	DNA Gel Elution Buffer	10053097	Pass
E7323AAVIAL	Quick-Load® pBR322 DNA-MspI Digest	10053096	Pass
E7310AAVIAL	NEBNext® SR Primer for Illumina®	10053047	Pass
E7309AAVIAL	LongAmp® Taq 2X Master Mix	10053093	Pass
E7308AAVIAL	Murine RNase Inhibitor	10053092	Pass
E7305AAVIAL	NEBNext® 5' Ligation Enzyme Mix	10053088	Pass
E7304AAVIAL	NEBNext® 5' Ligation Reaction Buffer	10053087	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	10053084	Pass
E7288AAVIAL	NEBNext <sup>®</sup> 3' Ligation Enzyme Mix	10053113	Pass
E6138AAVIAL	Gel Loading Dye, Blue, 6X	10053095	Pass

Assay Name/Specification	Lot # 10060691
<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  
15 Nov 2019



Michael Tonello  
Packaging Quality Control Inspector  
15 Nov 2019