

## New England Biolabs Certificate of Analysis

**Product Name:** NEBNext<sup>®</sup> Small RNA Library Prep Set for Illumina<sup>®</sup> (Multiplex Compatible)  
**Catalog Number:** E7330S  
**Lot Number:** 10029870  
**Expiration Date:** 04/2020  
**Storage Temperature:** -20°C  
**Specification Version:** PS-E7330S/L v1.0

NEBNext <sup>®</sup> Small RNA Library Prep Set for Illumina <sup>®</sup> (Multiplex Compatible) Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E7355AVIAL	ProtoScript <sup>®</sup> II Reverse Transcriptase	10029906	Pass
E7334AVIAL	NEBNext <sup>®</sup> First Strand Synthesis Reaction Buffer	10029905	Pass
E7333AVIAL	NEBNext <sup>®</sup> SR RT Primer for Illumina <sup>®</sup>	10029902	Pass
E7332AVIAL	NEBNext <sup>®</sup> 3' SR Adaptor for Illumina <sup>®</sup>	10029900	Pass
E7329AVIAL	NEBNext <sup>®</sup> Index 1 Primer for Illumina <sup>®</sup>	10029898	Pass
E7328AVIAL	NEBNext <sup>®</sup> 5' SR Adaptor for Illumina <sup>®</sup>	10029904	Pass
E7327AVIAL	Nuclease Free Water	10029890	Pass
E7326AVIAL	TE Buffer	10029896	Pass
E7325AVIAL	Linear Acrylamide	10029888	Pass
E7324AVIAL	DNA Gel Elution Buffer	10029894	Pass
E7323AVIAL	Quick-Load <sup>®</sup> pBR322 DNA-MspI Digest	10029892	Pass
E7310AVIAL	NEBNext <sup>®</sup> SR Primer for Illumina <sup>®</sup>	10029903	Pass
E7309AVIAL	LongAmp <sup>®</sup> Taq 2X Master Mix	10029884	Pass
E7308AVIAL	Murine RNase Inhibitor	10029878	Pass
E7305AVIAL	NEBNext <sup>®</sup> 5' Ligation Enzyme Mix	10029882	Pass
E7304AVIAL	NEBNext <sup>®</sup> 5' Ligation Reaction Buffer	10029880	Pass
E7301AVIAL	NEBNext <sup>®</sup> 3' Ligation Reaction Buffer	10029876	Pass
E7288AVIAL	NEBNext <sup>®</sup> 3' Ligation Enzyme Mix	10029908	Pass
E6138AVIAL	Gel Loading Dye, Blue, 6X	10029886	Pass

Assay Name/Specification	Lot # 10029870
<p><b>* Individual Product Component Note</b>            Standard Quality Control Tests are performed for each component included in NEBNext<sup>®</sup> Small RNA Library Prep Set for Illumina<sup>®</sup> (Multiplex Compatible) and meet the designated specifications.</p>	Pass

Assay Name/Specification	Lot # 10029870
<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>	<p><b>Pass</b></p>

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




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Christine Sumner  
Production Scientist  
22 May 2019




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Michael Tonello  
Packaging Quality Control Inspector  
22 May 2019