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## New England Biolabs Product Specification

<i>Product Name:</i>	<i>NEBNext<sup>®</sup> Small RNA Library Prep Set for Illumina<sup>®</sup> (Multiplex Compatible)</i>
<i>Catalog #:</i>	<i>E7330S/L</i>
<i>Kit Components:</i>	<i>NEBNext<sup>®</sup> 3' Ligation Reaction Buffer (E7301) NEBNext<sup>®</sup> 3' Ligation Enzyme Mix (E7288) NEBNext<sup>®</sup> 3' SR Adaptor for Illumina<sup>®</sup> (E7332) NEBNext<sup>®</sup> 5' Ligation Reaction Buffer (E7304) NEBNext<sup>®</sup> 5' Ligation Enzyme Mix (E7305) NEBNext<sup>®</sup> 5' SR Adaptor for Illumina<sup>®</sup> (E7328) NEBNext<sup>®</sup> SR RT Primer for Illumina<sup>®</sup> (E7333) NEBNext<sup>®</sup> First Strand Synthesis Reaction Buffer (E7334) ProtoScript<sup>®</sup> II Reverse Transcriptase (E7355) Murine RNase Inhibitor (E7308) LongAmp<sup>®</sup> Taq 2X Master Mix (E7309) NEBNext<sup>®</sup> SR Primer for Illumina<sup>®</sup> (E7310) Gel Loading Dye, Blue, 6X (E6138) Quick-Load<sup>®</sup> pBR322 DNA-MspI Digest (E7323) DNA Gel Elution Buffer (E7324) Linear Acrylamide (E7325) TE Buffer (E7326) Nuclease Free Water (E7327) NEBNext<sup>®</sup> Index 1 Primer for Illumina<sup>®</sup> (E7329)</i>

<i>Shelf Life:</i>	<i>18 months</i>
<i>Storage Temp:</i>	<i>-20°C</i>
<i>Specification Version:</i>	<i>PS-E7330S/L v1.0</i>
<i>Effective Date:</i>	<i>18 Mar 2019</i>



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<b>Assay Name/Specification</b> (minimum release criteria)
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<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>
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<p>* <b>Individual Product Component Note</b> - Standard Quality Control Tests are performed for each component included in NEBNext® Small RNA Library Prep Set for Illumina® (Multiplex Compatible) and meet the designated specifications.</p>
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Date 18 Mar 2019

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Derek Robinson  
Director of Quality Control

