

New England Biolabs Certificate of Analysis

Product Name: NEBNext® Multiplex Small RNA Library Prep Set for Illumina® (Set 1)
Catalog Number: E7300S
Packaging Lot Number: 10246281
Expiration Date: 01/2026
Storage Temperature: -20°C
Specification Version: PS-E7300S/L v1.0

NEBNext® Multiplex Small RNA Library Prep Set for Illumina® (Set 1) Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E7355AVIAL	ProtoScript® II Reverse Transcriptase	10246406	Pass
E7334AVIAL	NEBNext® First Strand Synthesis Reaction Buffer	10246402	Pass
E7333AVIAL	NEBNext® SR RT Primer for Illumina®	10246390	Pass
E7332AVIAL	NEBNext® 3' SR Adaptor for Illumina®	10246385	Pass
E7328AVIAL	NEBNext® 5' SR Adaptor for Illumina®	10246399	Pass
E7327AVIAL	Nuclease-free Water	10246316	Pass
E7326AVIAL	TE Buffer	10246321	Pass
E7325AVIAL	Linear Acrylamide	10246311	Pass
E7324AVIAL	DNA Gel Elution Buffer	10246307	Pass
E7323AVIAL	Quick-Load® pBR322 DNA-MspI Digest	10246303	Pass
E7322AVIAL	NEBNext® Index 12 Primer for Illumina®	10246376	Pass
E7321AVIAL	NEBNext® Index 11 Primer for Illumina®	10246371	Pass
E7320AVIAL	NEBNext® Index 10 Primer for Illumina®	10246365	Pass
E7319AVIAL	NEBNext® Index 9 Primer for Illumina®	10246360	Pass
E7318AVIAL	NEBNext® Index 8 Primer for Illumina®	10246356	Pass
E7317AVIAL	NEBNext® Index 7 Primer for Illumina®	10246352	Pass
E7316AVIAL	NEBNext® Index 6 Primer for Illumina®	10246347	Pass
E7315AVIAL	NEBNext® Index 5 Primer for Illumina®	10246343	Pass
E7314AVIAL	NEBNext® Index 4 Primer for Illumina®	10246339	Pass
E7313AVIAL	NEBNext® Index 3 Primer for Illumina®	10246335	Pass
E7312AVIAL	NEBNext® Index 2 Primer for Illumina®	10246331	Pass
E7311AVIAL	NEBNext® Index 1 Primer for Illumina®	10246326	Pass
E7310AVIAL	NEBNext® SR Primer for Illumina®	10246394	Pass
E7309AVIAL	LongAmp® Taq 2X Master Mix	10246299	Pass
E7308AVIAL	Murine RNase Inhibitor	10246289	Pass
E7305AVIAL	NEBNext® 5' Ligation Enzyme Mix	10246296	Pass
E7304AVIAL	NEBNext® 5' Ligation Reaction Buffer	10246292	Pass

NEBNext® Multiplex Small RNA Library Prep Set for Illumina® (Set 1) Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E7301AVIAL	NEBNext® 3' Ligation Reaction Buffer	10246286	Pass
E7288AVIAL	NEBNext® 3' Ligation Enzyme Mix	10246409	Pass
E6138AVIAL	Gel Loading Dye, Blue, 6X	10246381	Pass

Assay Name/Specification	Lot # 10246281
<p>* Individual Product Component Note Standard Quality Control Tests are performed for each component included in NEBNext® Multiplex Small RNA Library Prep Set for Illumina® (Set 1) and meet the designated specifications.</p>	Pass
<p>Functional Testing (Library Construction, Small RNA) 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

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

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit www.neb.com/trademarks for additional information.



Christine Sumner
Production Scientist
05 Sep 2024



Michael Tonello
Packaging Quality Control Inspector
16 Dec 2024