

## New England Biolabs Certificate of Analysis

**Product Name:** NEBNext<sup>®</sup> Multiplex Oligos for Illumina<sup>®</sup> (Unique Dual Index UMI Adaptors RNA Set 1)  
**Catalog Number:** E7416S  
**Packaging Lot Number:** 10180473  
**Expiration Date:** 03/2024  
**Storage Temperature:** -20°C  
**Specification Version:** PS-E7416S/L v1.0

NEBNext <sup>®</sup> Multiplex Oligos for Illumina <sup>®</sup> (Unique Dual Index UMI Adaptors RNA Set 1) Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E7417AVIAL	NEBNext <sup>®</sup> UMI RNA Adaptor Plate	10180474	Pass
E7398AVIAL	NEBNext <sup>®</sup> UMI Adaptor Dilution Buffer	10180476	Pass
E7397AVIAL	NEBNext <sup>®</sup> Primer Mix	10180475	Pass

Assay Name/Specification	Lot # 10180473
<p><b>* Individual Product Component Note</b>            Standard Quality Control Tests are performed for each component included in NEBNext<sup>®</sup> Multiplex Oligos for Illumina<sup>®</sup> (Unique Dual Index UMI Adaptors RNA Set 1) and meet the designated specifications.</p>	Pass
<p><b>Functional Testing (RNA Library Construction, Oligo)</b>            Each of the components are functionally validated through construction of libraries made from commercially available Total RNA. Libraries are made from each unique barcoded oligonucleotide and are sequenced together on the same Illumina<sup>®</sup> flow cell and compared across various metrics including including library yield, 5'-3' transcript coverage, and fraction of reads mapping to a reference.</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](http://www.neb.com/trademarks) for additional information.

*Christine Sumner*

---

Christine Sumner  
Production Scientist  
12 Apr 2023

*Michael Tonello*

---

Michael Tonello  
Packaging Quality Control Inspector  
05 Jun 2023