

## New England Biolabs Certificate of Analysis

**Product Name:** NEBNext Single Cell/Low Input cDNA Synthesis and Amplification Module  
**Catalog Number:** E6421S  
**Packaging Lot Number:** 10178997  
**Expiration Date:** 03/2024  
**Storage Temperature:** -20°C  
**Specification Version:** PS-E6421S/L v1.0

NEBNext Single Cell/Low Input cDNA Synthesis and Amplification Module Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E6433AVIAL	Nuclease Free Water	10179009	Pass
E6432AVIAL	TE Buffer	10179008	Pass
E6430AVIAL	NEBNext® Bead Reconstitution Buffer	10179007	Pass
E6429AVIAL	Murine RNase Inhibitor	10179005	Pass
E6428AVIAL	NEBNext® Cell Lysis Buffer	10179004	Pass
E6427AVIAL	NEBNext® Single Cell cDNA PCR Primer	10179003	Pass
E6426AVIAL	NEBNext® Single Cell cDNA PCR Master Mix	10179002	Pass
E6425AVIAL	NEBNext® Single Cell RT Enzyme Mix	10179001	Pass
E6424AVIAL	NEBNext® Template Switching Oligo	10179000	Pass
E6423AVIAL	NEBNext® Single Cell RT Buffer	10178999	Pass
E6422AVIAL	NEBNext® Single Cell RT Primer Mix	10178998	Pass

Assay Name/Specification	Lot # 10178997
<p><b>* Individual Product Component Note</b> Standard Quality Control Tests are performed for each component included in NEBNext® Single Cell/Low Input cDNA Synthesis &amp; Amplification Module and meet the designated specifications.</p> <p><b>Functional Testing (Library Construction, Single Cell RNA)</b> Each set of reagents is functionally validated and compared to a previous lot through construction of libraries made from single cells and commercially available RNA using the kit's minimum and maximum input requirements. Libraries made from previous and current lots are sequenced together on the same Illumina flow cell and compared across various metrics including library yield, individual transcript abundance, 5'-3' transcript coverage, percent ribosomal RNA, and fraction of reads mapping to a reference.</p>	<p>Pass</p> <p>Pass</p>

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  
Production Scientist  
27 Mar 2023



---

Michael Tonello  
Packaging Quality Control Inspector  
12 Jul 2023