

## New England Biolabs Certificate of Analysis

**Product Name:** NEBNext Single Cell/Low Input cDNA Synthesis and Amplification Module  
**Catalog Number:** E6421S  
**Packaging Lot Number:** 10136433  
**Expiration Date:** 03/2023  
**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                      | 10136446   | Pass                 |
| E6432AVIAL   | TE Buffer                                | 10136445   | Pass                 |
| E6430AVIAL   | NEBNext® Bead Reconstitution Buffer      | 10136444   | Pass                 |
| E6429AVIAL   | Murine RNase Inhibitor                   | 10136443   | Pass                 |
| E6428AVIAL   | NEBNext® Cell Lysis Buffer               | 10136442   | Pass                 |
| E6427AVIAL   | NEBNext® Single Cell cDNA PCR Primer     | 10136441   | Pass                 |
| E6426AVIAL   | NEBNext® Single Cell cDNA PCR Master Mix | 10136440   | Pass                 |
| E6425AVIAL   | NEBNext® Single Cell RT Enzyme Mix       | 10136439   | Pass                 |
| E6424AVIAL   | NEBNext® Template Switching Oligo        | 10136438   | Pass                 |
| E6423AVIAL   | NEBNext® Single Cell RT Buffer           | 10136437   | Pass                 |
| E6422AVIAL   | NEBNext® Single Cell RT Primer Mix       | 10136436   | Pass                 |

| Assay Name/Specification  | Lot # 10136433          |
|---|-------------------------|
| <p><b>* Individual Product Component Note</b><br/>           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><br/>           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.

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Christine Sumner  
Production Scientist  
05 May 2022



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Michael Tonello  
Packaging Quality Control Inspector  
08 Jun 2022