

New England Biolabs Certificate of Analysis

Product Name: NEBNext Single Cell/Low Input cDNA Synthesis and Amplification Module
Catalog Number: E6421S
Packaging Lot Number: 10249045
Expiration Date: 03/2025
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	10231725	Pass
E6432AVIAL	TE Buffer	10231724	Pass
E6430AVIAL	NEBNext® Bead Reconstitution Buffer	10231723	Pass
E6429AVIAL	Murine RNase Inhibitor	10231722	Pass
E6428AVIAL	NEBNext® Cell Lysis Buffer	10231721	Pass
E6427AVIAL	NEBNext® Single Cell cDNA PCR Primer	10231719	Pass
E6426AVIAL	NEBNext® Single Cell cDNA PCR Master Mix	10231717	Pass
E6425AVIAL	NEBNext® Single Cell RT Enzyme Mix	10231715	Pass
E6424AVIAL	NEBNext® Template Switching Oligo	10231713	Pass
E6423AVIAL	NEBNext® Single Cell RT Buffer	10231711	Pass
E6422AVIAL	NEBNext® Single Cell RT Primer Mix	10231709	Pass

Assay Name/Specification	Lot # 10249045
<p>* Individual Product Component Note Standard Quality Control Tests are performed for each component included in NEBNext® Single Cell/Low Input cDNA Synthesis & Amplification Module and meet the designated specifications.</p>	Pass
<p>Functional Testing (Library Construction, Single Cell RNA) 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>	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
25 Jun 2024



Michael Tonello
Packaging Quality Control Inspector
25 Jun 2024